

12%



9%



The diagram illustrates a network architecture for trade secret management. It features a central 'Application Server' (labeled as 'Trade Secret System' and 'Innovation Management System') connected to a 'Web Server' and a 'User PC/Client'. The 'Application Server' is also connected to 'File Servers' via a 'LAN/WAN' and 'Ethernet' network. The 'File Servers' are connected to three data stores: 'Trade Secrets', 'Network Data', and 'Rules Classes Logs'. The 'Application Server' sends 'Get File' requests to the 'File Servers' and receives 'Unprotected Trade Secret' data. The 'User PC/Client' sends 'Trade Secret Request' to the 'Application Server' and receives 'Protected Trade Secret' data. An 'Agent Monitoring System' is also connected to the 'User PC/Client'.

FIGURE 2

000000-1100

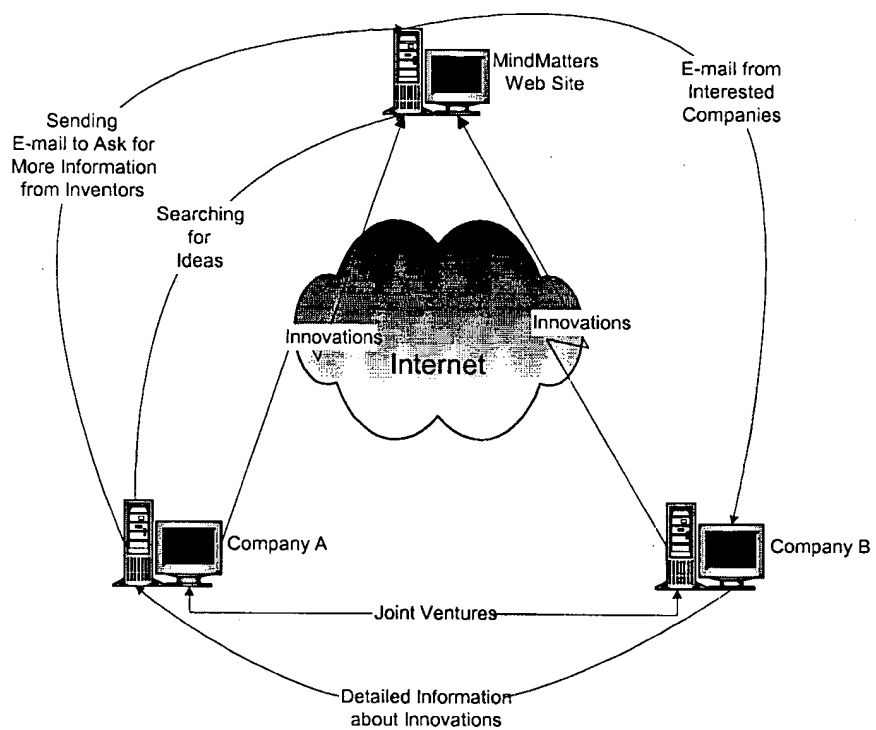


FIGURE 3

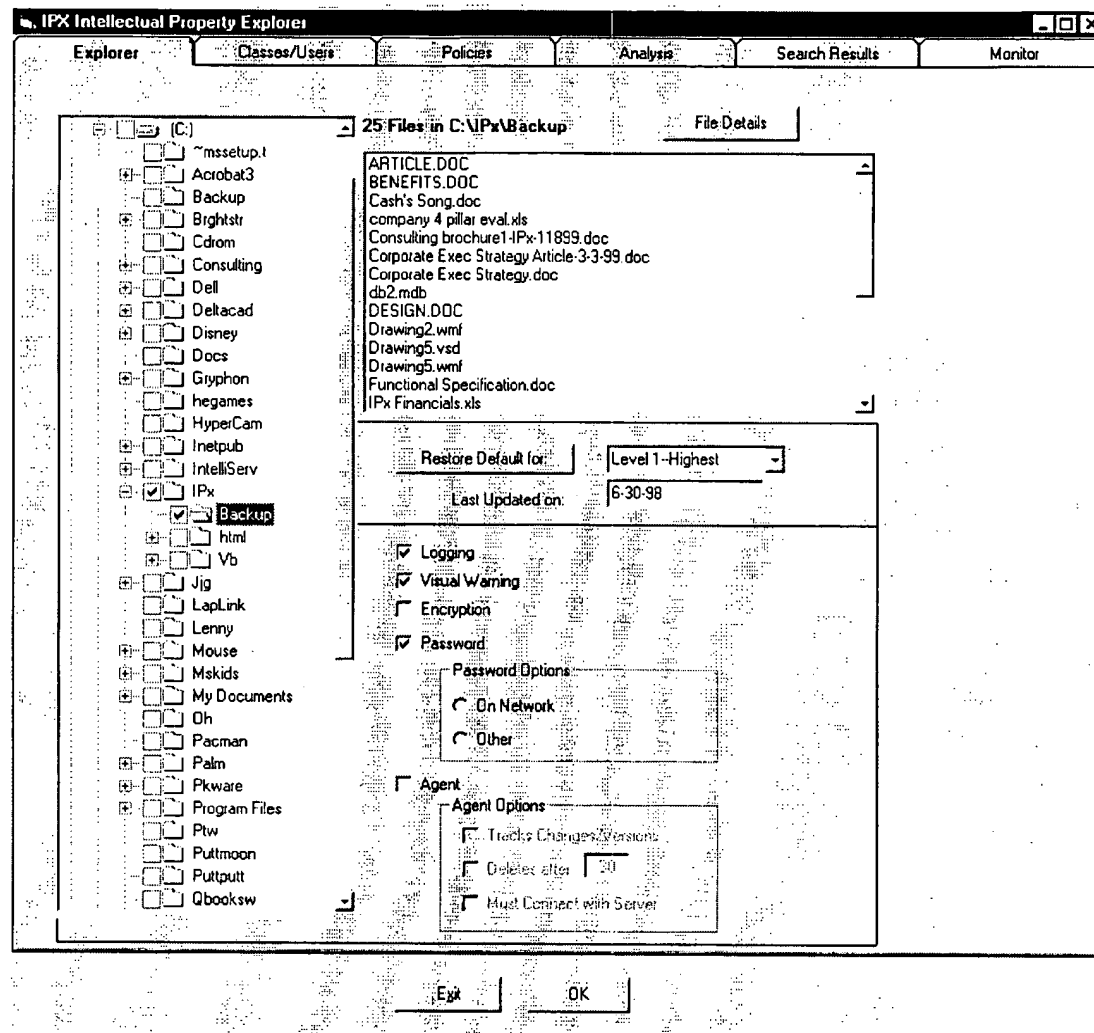


FIGURE 4a

00000000-44000

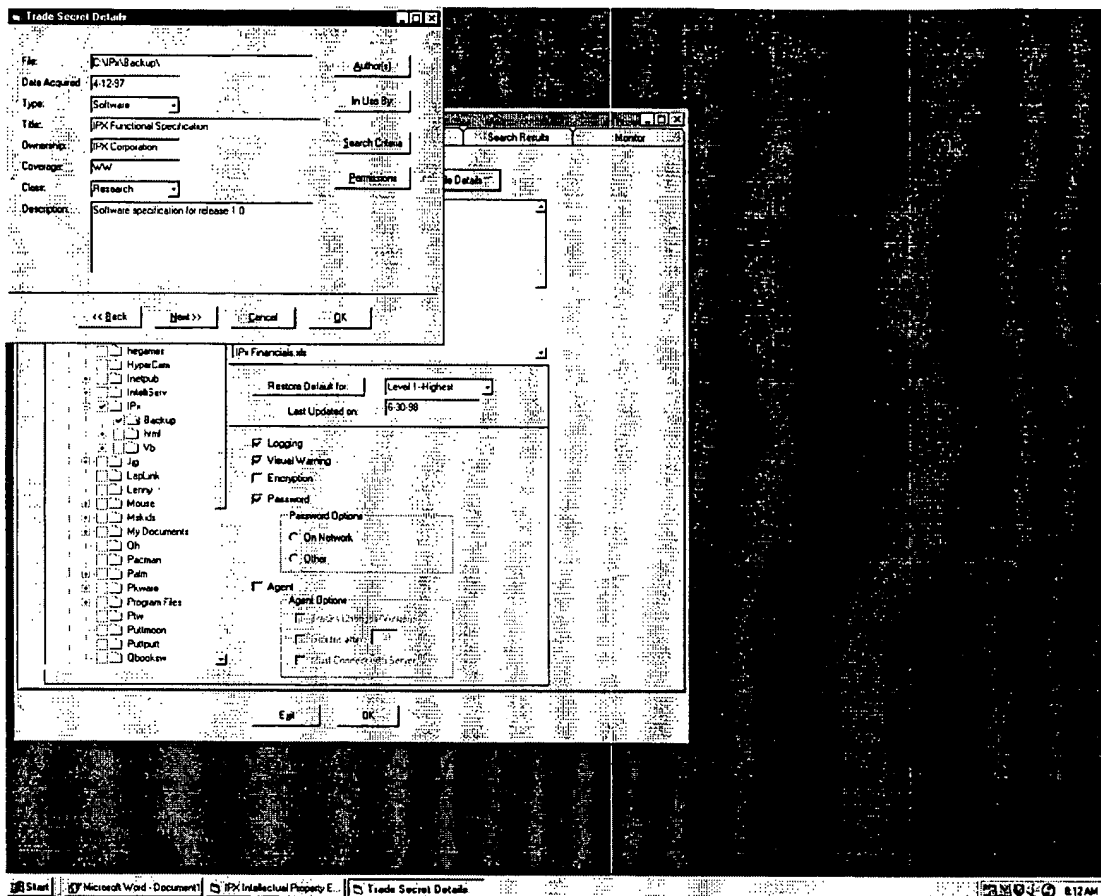


FIGURE 4b

FIGURE 4c

Innovator

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★ Peer Review Board 1999
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File Cabinet

File Search:



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Sort By: [Date](#)

[edit](#) - [X](#)

Title	Documents	Other Authors	Status	Last Update	Search Agent	Create Date	IP Class	Protection
Neural Network Optical Driver	C:\MMT_private	Smith, Jones, Gabrick		11/29/99	Yes	11/29/99	Hardware	Executive Only
Software System For AI Internet Searching	\\Bellevue\C\ProjectX	Orlowski		8/2/98		8/2/98	Software	All Employees
HTML Authoring Tools	C:\IPX\Plans\Test	N.A.		6/30/95	Yes	6/30/95	Software	Department Only
NE126 Product Improvements	C:\Java\NE126	N.A.		5/28/93		5/28/93	Improvement	Department Only
Robotic Force Feedback Sensor	\\Allegheny\DI\Robots	Eiston		1/11/92	Yes 5 Results	1/11/92	New	All Employees
Software System For AI Internet Searching	\\Bellevue\C\ProjectX	Orlowski		8/2/98		8/2/98	Software	All Employees
Neural Network Optical Driver	C:\MMT_private	Smith, Jones, Gabrick		11/29/99	Yes	11/29/99	Hardware	Executive Only
HTML Authoring Tools	C:\IPX\Plans\Test	N.A.		6/30/95	Yes, 2 Results	6/30/95	Software	Department Only
Robotic Force Feedback Sensor	\\Allegheny\DI\Robots	Eiston		1/11/92	Yes	1/11/92	New	All Employees
Setup								

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Figure 4d

00000000-110000

IPX Intellectual Property Explorer

Explorer Classes/Users Policies Analysis Search Results Monitor

Class Name	Date Created	Date Modified	Access Level
Development	1/12/99	4/5/99	Level 1-Highest
Executive	1/12/99		Level 2
Finance	1/29/98	1/29/99	Level 4
Human Resources	1/12/99		Level 5-Lowest
Manufacturing	1/12/99	1/13/99	Level 3
Marketing	5/28/93	1/15/99	Level 3
Research	12/12/98	1/5/99	Level 1-Highest

Add Delete Update

Members of Class: Finance

Available Items:

- Elston, Cash
- Gabrick, John
- Gabrick, Tara
- Smith, Fred
- Tortellina, Angela
- Vope, Cindy

Selected Items:

- Jones, Tony
- Moore, Sandra

Permissions for Class: Finance

Restore Default Finance

Last Updated on: 1/29/99

☒ Logging

☒ Visual Warning

☐ Encryption

☒ Password

Password Options

☒ On Network

☐ Other

☐ Agent

Agent Options

☐ Tracks Changes/Versions

☐ Deletes after 30

☐ Must Connect with Server

Exit OK

FIGURE 5a



Innovator Human Resources

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Smith, John

SS#	Hire Date	Title	E-Mail	Location	Dept.	ID#	Manager
123-45-6789	6-30-1995	Mgr, Development	Smith@mmt.com	Pittsburgh	5600	IA8592	Gerstner

Innovations

Title

[Neural Network Optical Driver](#)

[Software System For AI Internet Searching](#)

[HTML Authoring Tools](#)

[NE126 Product Improvements](#)

[Robotic Force Feedback Sensor](#)

Status

Date



3-2-00



1-3-98



8-19-96



6-12-96



11-5-95

Exit Interview Checklist

Review Confidentiality Procedures



Remind of Continuing Obligations



New Employment, Competitive Assessment



Review Proprietary Access Log



Compliance Sign-off



FormR4.99

Proprietary Projects

[Alpha 470](#) [JR-574](#) [XR 3147](#) [XZ-99383](#) [JG-873497](#)

[Beta 391](#) [Beta 646](#) [Beta 989](#) [Beta 877](#)

X15

[Print Compliance Forms](#)

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5. [File Transfer via email](#) 4/15/99
6. [File Transfer via email](#) 5/1/99
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Figure 5b

IPX Intellectual Property Explorer

Explorer Classes/Users Policies **Analysis** Search Results Monitor

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
IP Assets	10,521	10,525	10,520	10,525	10,535	10,545	10,548
Access	20	150	200	100	300	350	50

FIGURE 6

IPX Intellectual Property Explorer

Explorer Classes/Users Policies Analysis Search Results Monitor

Search Results for IP Asset: Text6

Find These Key Words

Intellectual Property

☒ Find Exact Phrase
☐ Find Any Key Words
☐ Find All Key Words

Avoid These Words

Only Find Matches

☐ At Selected Web Sites List Sites
 One Month Old

Site	Address	IP Asset	Date Found
Find A Site - The Easy Way to Find Businesses on t	http://www.findaste.com/	c:\ipx\functional.doc	5/25/99
Fillmore, Belliston & Israelsen - A Professional	http://www.fillmorelaw.com/	c:\ipx\functional.doc	5/25/99
Four Corners Language Institute Online	http://tcli.bc.ca/	c:\ipx\functional.doc	5/24/99
Kador & Partner	http://www.europeanaltoirney.com/	c:\ipx\functional.doc	5/23/99
Atout Technologies: an IP Virtual Components Provi	http://www.atout-tech.com/	c:\ipx\functional.doc	5/22/99
www.TheGoldenGlobes.com	http://www.thegoldenglobes.com/	c:\ipx\functional.doc	5/21/99
"Callahan, McCune & Willis LLP"	http://www.cmwlaw.net/	c:\ipx\functional.doc	5/20/99
Michell Sillar McPhee Barristers and Solicitors pr	http://www.msm.com.au/	c:\ipx\functional.doc	5/19/99
Consolidated Meat Group - Australia - Beef Product	http://www.meat.aust.com/	c:\ipx\functional.doc	5/18/99
Intellectual Property Protection - MediaRegister	http://www.mediaregister.com/intellectua	c:\ipx\functional.doc	5/17/99
"FPLC IP Mail - Main Menu - intellectual property,	http://www.ipmall.fplc.edu/	c:\ipx\functional.doc	5/16/99
The basic IP index has moved	http://www.fplc.edu/tfield/crder.htm	c:\projects\semi\marketing.xls	5/25/99
The Intellectual Property Law Server	http://www.intelproplaw.com/	c:\projects\semi\marketing.xls	5/23/99
"McCormick Paulding and Huber, LLP-Intellectual Pr	http://www.ip-lawyers.com/	c:\projects\semi\marketing.xls	5/21/99
Oppedahl & Larson LLP Patent Law Web Server	http://www.patents.com/	c:\projects\semi\marketing.xls	5/19/99
Franklin Pierce Law Center's Homepage	http://www.fplc.edu/	c:\projects\semi\marketing.xls	5/17/99
Intellectual Property Programmes	http://research.haifa.ac.il/~spinoza/prog	\\bellevue\customers\sears.doc	5/24/99

Exit OK

FIGURE 7a



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John's Innovator Page
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Innovation Database Search

Key Word(s) _____

Search for: _____

Search Parameters

Results the phrase

Results the phrase

Figure 7b

09709900-111000

NDA Tracker

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[Search](#)

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Non-Disclosure Agreements

Date	Organization	Attendees	Status
3-12-00	International Business Machines	Susan Smith, John Jones, Tim Orlowski	●
6-1-99	Sun Microsystems		●
11-29-98	Alcoa		●
5-12-97	Microsoft--Operating Systems Group		●
1-11-92	Microsoft--Operating Systems Group		●
10-15-90	Procter & Gamble		●
8-6-89	Terabeam		●
4-31-89	Lucent--Telecommunications Division		●

OFFICE - 111000

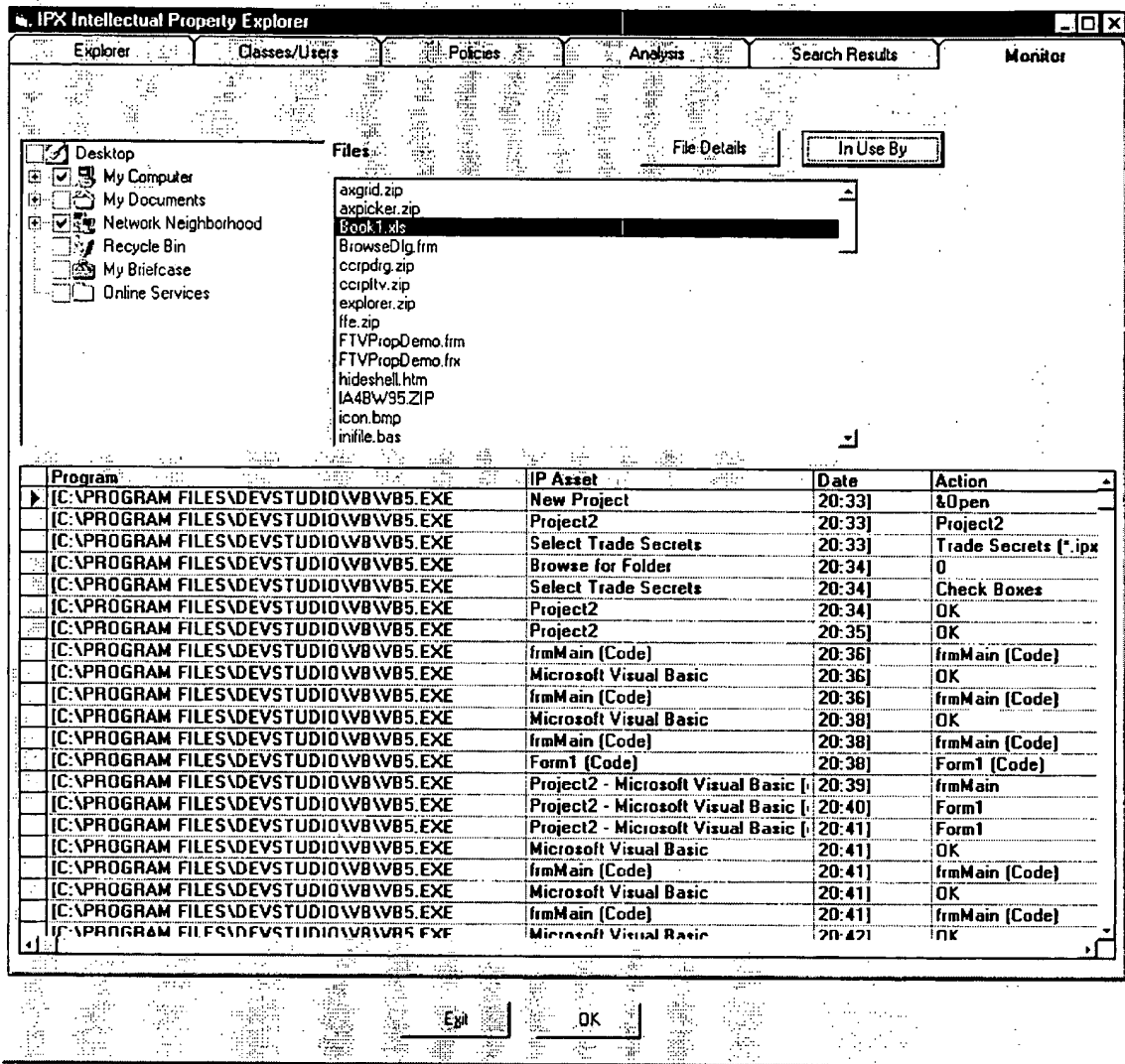


FIGURE Ba



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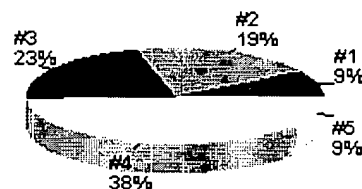
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Personal Home Page Hits

Search Term	Who	Date
1. Software Intelligence	124.34.5.113 View Results Delete	1-13-00
2. Internet Searching	124.34.5.120 View Results Delete	2-4-00
3. Neural Network	124.34.5.126 View Results Delete	2-4-00

File Cabinet Hits (Internal)

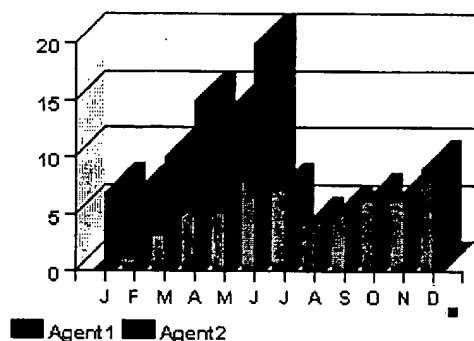
Title	Hits
1. Software System For AI Internet Searching	0
2. NE126 Product Improvements	1
3. Biometric Nanocircuit	0
4. Nucleotide Combination for Peptides	1
5. Browser Search Agent	0



Collaboration Agents

Title	Posted Hits
1. (Neural Network) AND (AI) OR Artificial View Results Edit Delete	11-29-99 5
2. "Optical Drivers" View Results Edit Delete	1-2-00 1

[Create New Agent](#)



Tips

View: View runs the agent.

Edit: Make changes to your agent any time.

Delete: Permanently remove your agent.

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Figure 8b

00700000-11000

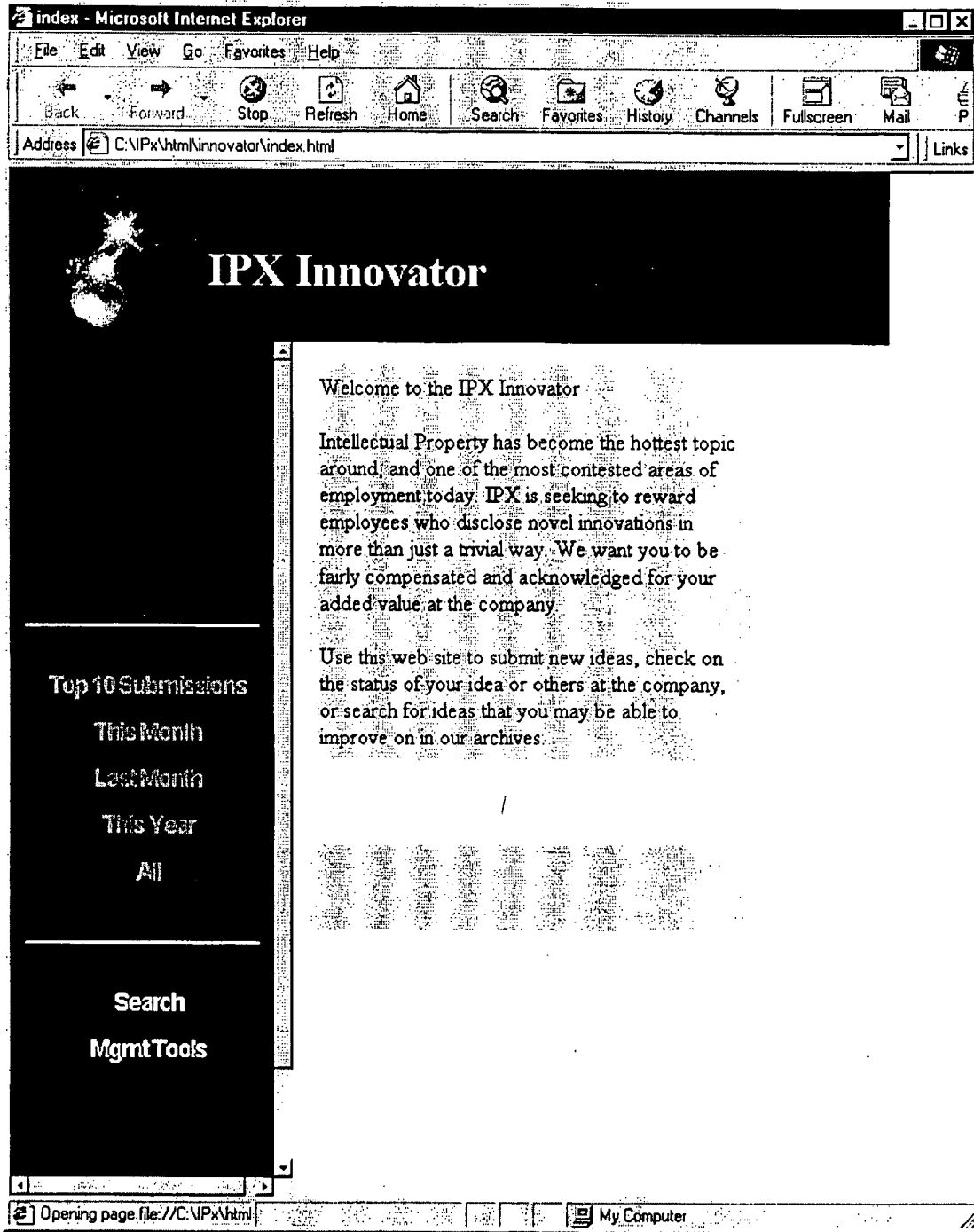


FIGURE 9a



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[Idea Discussion](#)
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NEW New Product Specs!!
NEW Article by John Corlene, Corporate Counsel
NEW Innovator User Contributions

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1. ★ John Smith, [Neural Network Optical Driver](#)
2. Tim Balushi, [Software Optimization for CNC Drives](#)
3. ★ Martha Jones, [Robotic Force Feedback](#)
4. Julie Selleck, [IP Accounting System](#)
5. John Smith, [Neural Network Optical Driver](#)
6. Tim Balushi, [Software Optimization for CNC Drives](#)
7. Martha Jones, [Robotic Force Feedback](#)
8. Julie Sun, [IP Accounting System](#)
9. Carole Williams, [New Grammy Hit](#)
10. Martha Jones, [E-Commerce One-Click Click System](#)

Spotlight



NEW

Susan Jones, Bryan Beem, and John Wayne's Voice Recognition for Embedded Systems As consumer products get more and more complex, there is a need for an easier means of interaction with these complex machines. One way to make interaction smoother is by allowing interaction through natural language.
[More...](#)

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File Cabinet

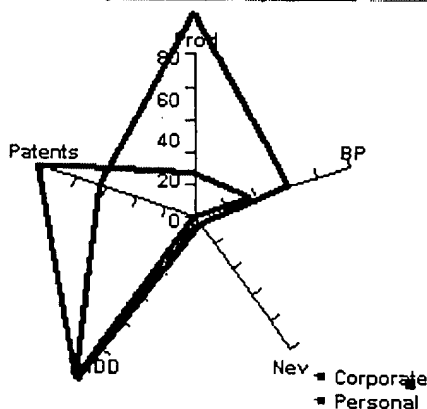
Search:	Sort: Date	Filter: Neural	
Date	Title	Status	Search
3-12-00	Neural Network Optical Driver	●	●
6-1-99	Software System For AI Internet Searching	●	●
11-29-98	HTML Authoring Tools	●	●
5-12-97	NE126 Product Improvements	●	●
1-11-92	Robotic Force Feedback Sensor	●	●
10-15-90	Biometric Nanocircuit	●	●
8-6-89	Nucleotide Combination for Peptides	●	●
4-31-89	Browser Search Agent	●	●

Collaboration Agents

Date	Title	Status
3-12-00	(Neural Network) AND (AI) OR Artificial View Results Edit Delete	●
6-1-99	"Optical Drivers" View Results Edit Delete	●

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Innovator 2.00

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Submit Innovation

Explorer

Byte-Sized Computing

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Desktop

Inventor(s) Information

Name	Location	Dept.	ID#	Manager
Contributor 1 John Gabrick	Pittsburgh	5600	1A8592	Gerstner
Contributor 2 Cash Elston	Redmond	5600	1A5623	Welch
Sponsor Tom Jones	Seattle	8700	9A7612	Smith

Lookup

Innovation Information

Innovation Name Neural Network Optical Driver

Innovation Type Business-to-Business

Supporting Electronic Documents C:\My Documents\NNOD-v1.doc

Title

Supporting Paper Documents

Date

Generate Barcode

Type

Location

This system automatically updates and adjusts to changes in ambient light. Users are able to build robotic guidance systems that adapt to any lighting scheme

Description

Key Words Neural Network, Lighting, Robotic Guidance

Protection Information

Route to Corporate Counsel? ☐ yes

Potential Trade Secret? ☐ yes

Initial Protection Level Department Only

Warning Message

Encryption ☐ yes

Figure 10b

Has this innovation been disclosed to anyone other than the inventors? yes, if yes to which

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index - Microsoft Internet Explorer - [Working Offline]

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IPX Innovator

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24 documents found for query: database
Displaying results 1 - 24

Submissions	Name	Location	Innovation	Date
*****	Gabrick, John	Pittsburgh	Html Wizard	5-22-98
***	Elston, Cassius	Seattle	Fabrication Design	4-21-98
**	Smith, Frederic	San Francisco	IP Mgmt Software	1-11-99
**	Jones, Josephine	Boston	New Light	8-05-99




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[Search](#)
[Mgmt Tools](#)

Done My Computer

FIGURE 11a

Search Results

Rank	Status	Information	Location	Details	Date
99%	 External	New Neural Network Optical Driver in use by Ariva's	http://www.ariva.com/test.html	Neural Network Optical Driver	ICS781 5/25/00
98%	 Internal	Network Optical Drivers	\\bellevue\ServerA_1\C:\NOD	Corbis, John 412-388-1221 Mgr., PVC Development smith@us-mmt.com	5/25/00
98%	 External	The Intellectual Property Site	http://www.gm.com	Neural Network Optical Driver	ICS781 5/25/00
98%	External	Oppedahl & Larson LLP Patent Law Web Server	http://www.patents.com	Neural Network Optical Driver	ICS781 5/25/00
70%	External	Franklin Pierce Law Center's Homepage	http://www.fplc.edu	Neural Network Optical Driver	ICS781 5/25/00
68%	Internal	Intellectual Property Law	\\bellevue\customers\leagle.doc	Jones, Cash 412-388-8254 Dir., Strategy jones@jp-mmt.com	5/25/00
65%	External	Intellectual Property Checklist	http://www.utsystem.edu/ogc/	Neural Network Optical Driver	ICS781 5/25/00
65%	External	IBM Intellectual Property Network	http://www.patents.ibm.com		5/25/00
50%	External	Intellectual Property	http://www.intellectual-property.co.uk		5/25/00
50%	External	Intellectual Property Valuations, Inc. Intellectual Property Valuation ...	http://valuationcorp.com		5/25/00

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Figure 11b


097000000-44000

index - Microsoft Internet Explorer - [Working Offline]

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Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print

Address: C:\IPx\html\innovator\index.html Links



IPX Innovator

Corporate Guidelines

These are ABC's corporate guidelines regarding intellectual property. These guidelines are in place to protect both the company and the employee. Read them so you understand what duties you owe to ABC and what you do not. If you have additional questions, please contact the corporate legal department at X1234 and they can answer your questions. You can remain anonymous if you like.

Top 10 Submissions

- This Month
- Last Month
- This Year
- All


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file:///C:/APx/html/innovator/policy.html My Computer


FIGURE 12



IPX Innovator

TOP 10 INNOVATIONS

#1 HTML Wizard



Chairman's Award

Garmont, John, 5-25-99, Pittsburgh, PA. Division: Corporate R&D e-mail: j.garmont@corp.research.com

Category: Best New HTML Development Tools

Project: Optimizing HTML Coding

KEY WORDS: software, Symplicity, internet, html, development

DESCRIPTION: This programming model employs a new technique that dramatically reduces the time required to develop and integrate a website with existing corporate SQL databases. It is based on research first developed in 1998 by the corporate R&D team designing advanced system tools to enhance the Symplicity Product Line, Code Named: "Alpha II project." Technical reference materials and specifications can be found at: www.corporate.com/symplicity/dev.alpha2/ for those with appropriate clearance. A provisional patent filing was completed on 2-3-99 under the title "Optimizing HTML Code with Enterprise Databases." This patent filing is highly confidential and available only to those with Corporate Legal Clearance A-1.

Top 10 Submissions

This Month


Last Month

This Year

All

Search

Mgmt Tools



This information is to be held in the strictest of confidence—all materials


FIGURE 13


00709900-111000

index - Microsoft Internet Explorer - [Working Offline]

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print

Address  C:\IPX\html\innovator\index.html Links



IPX Innovator

Database Search

Enter Search Words

☐ All Words ☐ Any Words

Search in:

- ☐ Name
- ☐ Key Words
- ☐ Description
- ☐ Date
- ☐ Location
- ☐ All Fields

Search by

☒ All Words ☐ Any Words

Search in:

- ☐ Name
- ☐ Key Words
- ☐ Description
- ☐ Date
- ☐ Location

Top 10 Submissions

This Month

Last Month

This Year

All

Search

Mgmt Tools

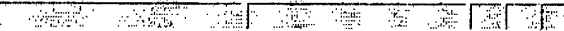
Done  My Computer

FIGURE 14a



Reset

項目	1990年	1991年	1992年	1993年	1994年	1995年	1996年	1997年	1998年	1999年	2000年	2001年	2002年	2003年	2004年	2005年	2006年	2007年	2008年	2009年	2010年	2011年	2012年	2013年	2014年	2015年	2016年	2017年	2018年	2019年	2020年	2021年	2022年	2023年	2024年	2025年	2026年	2027年	2028年	2029年	2030年	2031年	2032年	2033年	2034年	2035年	2036年	2037年	2038年	2039年	2040年	2041年	2042年	2043年	2044年	2045年	2046年	2047年	2048年	2049年	2050年	2051年	2052年	2053年	2054年	2055年	2056年	2057年	2058年	2059年	2060年	2061年	2062年	2063年	2064年	2065年	2066年	2067年	2068年	2069年	2070年	2071年	2072年	2073年	2074年	2075年	2076年	2077年	2078年	2079年	2080年	2081年	2082年	2083年	2084年	2085年	2086年	2087年	2088年	2089年	2090年	2091年	2092年	2093年	2094年	2095年	2096年	2097年	2098年	2099年	2100年																																																								
人口	120,000,000	121,000,000	122,000,000	123,000,000	124,000,000	125,000,000	126,000,000	127,000,000	128,000,000	129,000,000	130,000,000	131,000,000	132,000,000	133,000,000	134,000,000	135,000,000	136,000,000	137,000,000	138,000,000	139,000,000	140,000,000	141,000,000	142,000,000	143,000,000	144,000,000	145,000,000	146,000,000	147,000,000	148,000,000	149,000,000	150,000,000	151,000,000	152,000,000	153,000,000	154,000,000	155,000,000	156,000,000	157,000,000	158,000,000	159,000,000	160,000,000	161,000,000	162,000,000	163,000,000	164,000,000	165,000,000	166,000,000	167,000,000	168,000,000	169,000,000	170,000,000	171,000,000	172,000,000	173,000,000	174,000,000	175,000,000	176,000,000	177,000,000	178,000,000	179,000,000	180,000,000	181,000,000	182,000,000	183,000,000	184,000,000	185,000,000	186,000,000	187,000,000	188,000,000	189,000,000	190,000,000	191,000,000	192,000,000	193,000,000	194,000,000	195,000,000	196,000,000	197,000,000	198,000,000	199,000,000	200,000,000	201,000,000	202,000,000	203,000,000	204,000,000	205,000,000	206,000,000	207,000,000	208,000,000	209,000,000	210,000,000	211,000,000	212,000,000	213,000,000	214,000,000	215,000,000	216,000,000	217,000,000	218,000,000	219,000,000	220,000,000	221,000,000	222,000,000	223,000,000	224,000,000	225,000,000	226,000,000	227,000,000	228,000,000	229,000,000	230,000,000	231,000,000	232,000,000	233,000,000	234,000,000	235,000,000	236,000,000	237,000,000	238,000,000	239,000,000	240,000,000	241,000,000	242,000,000	243,000,000	244,000,000	245,000,000	246,000,000	247,000,000	248,000,000	249,000,000	250,000,000	251,000,000	252,000,000	253,000,000	254,000,000	255,000,000	256,000,000	257,000,000	258,000,000	259,000,000	260,000,000	261,000,000	262,000,000	263,000,000	264,000,000	265,000,000	266,000,000	267,000,000	268,000,000	269,000,000	270,000,000	271,000,000	272,000,000	273,000,000	274,000,000	275,000,000	276,000,000	277,000,000	278,000,000	279,000,000	280,000,000	281,000,000	282,000,000	283,000,000	284,000,000	285,000,000	286,000,000


FIGURE 14b


09709900-111000

index - Microsoft Internet Explorer - [Working Offline]

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print

Address  C:\IPX\htm\innovator\index.html Links



IPX Innovator

Management Tools

Top 10 Submissions

This Month


Last Month

This Year


All

Search


Mgmt Tools




Un-reviewed Submissions *This is a list of submissions that need to be reviewed and sent to the appropriate peer review committees*



Submission Tracker *Graphical representation of submitted ideas by month, quarter, year, and year to date. View comparisons of different time periods*



External Responses *E-mail requests from ideas published for viewing by innovation consortium members*



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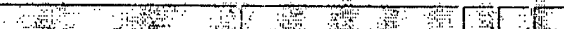
Done  My Computer

FIGURE 15a

951 504212

Active Innovations

Budgeted Innovations

Closed Innovations

Rejected Innovations

263
55
489
1349

Departments

Seattle, WA

Marketing Sales WSA International Finance
Business Development Patent Corporate More

Pittsburgh, PA

Sales International Finance Patent Corporate
Counsel Software Development Technical Support
Customer Service Accounting More

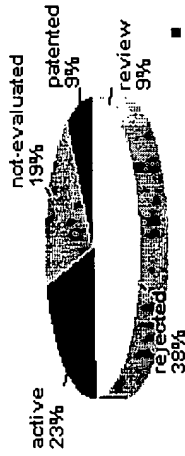
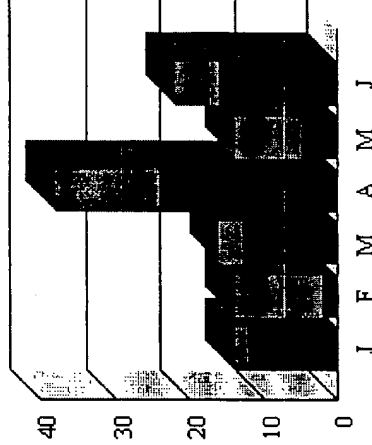
London, England

International Finance Business Development
Patent Corporate Counsel Software Development
Technical Support Customer Service
Accounting More

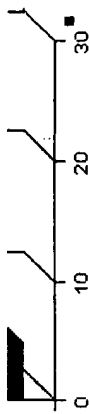
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Corporate Performance

Chart News Performance Details SEC Research More...



Flow in Millions



Title

Authors ? Rank

1. Neural Network Optical Driver Gabrick 92%
2. Software System For AI Internet Searching Orlowski 82%
3. HTML Authoring Tools N.A. 79%
4. NE126 Product Improvements N.A. 65%
5. Robotic Force Feedback Sensor Elston 55%
6. Software System For AI Internet Searching Orlowski 45%
7. Neural Network Optical Driver Smith 38%
8. HTML Authoring Tools N.A. 36%
9. Robotic Force Feedback Sensor Elston 31%

edit - x



Status

- ★ Member Evaluation Board 2000
- ★ Distinguished Patent Fellow 1998
- ★ Peer Review Board 1999

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Valuation Points

[Chart](#) [Total](#) [Month](#) [Week](#) [Day](#) [Department](#) [Location](#)

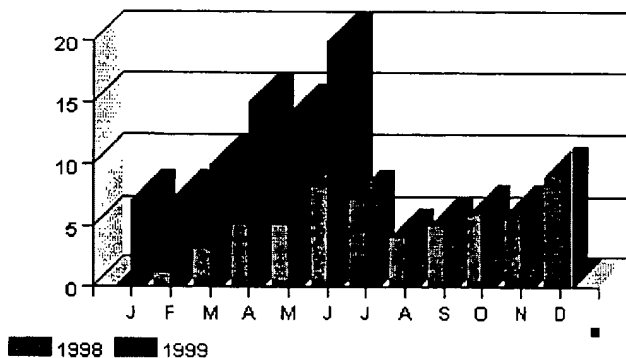
Criteria	Result	Company	%	Rank	Pts
1. Personal Home Page Hits	103	125,119	7.1%	Top 10	52
2. File Cabinet Hits	56	204,532	7.0%	Top 50	5
3. Collaboration Agent Hits	12	23,221	7.0%	Top 50	12
4. Citations	5	3,206	7.2%	Top 10	60
5. Submissions	20	8,018	7.3%	Top 25	20
6. Analysis Performed	25	36,112	7.1%	Top 25	50
7. NDA Citations	1	58	1.7%	Top 10	50
8. Downloads	6	7,863	0.1%		12
9. Internet Publications	0	98	0.0%		0
10. Licenses	1	12	3.3%	Top 10	500
11. Accepted Innovations	8	400	2.0%	Top 50	80
12. Patents	2	52	3.8%	#1	2000
TOTAL					2841

Performance

Portfolio Performance

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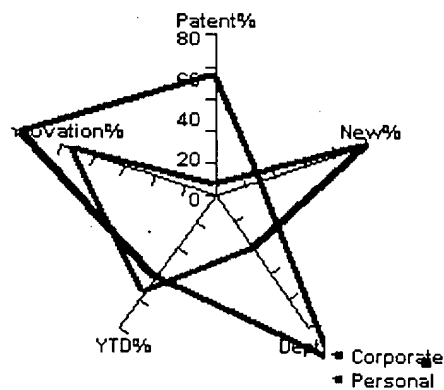
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Company Goals

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[Chart](#) [News](#) [Performance](#) [Details](#) [SEC](#)
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FIGURE 15c

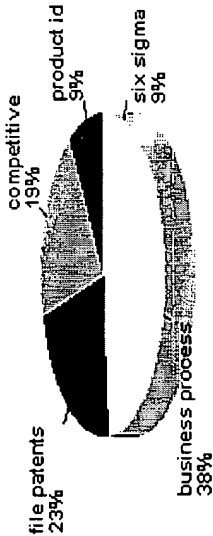
Innovator Executive Overview

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 - Innovator Configuration

Corporate Performance

Today Week Month Quarter Year More...



Innovation Category

New Products	21
Patents	103
Invention Disclosures	55
Active Projects	61
R&D Headcount	84

YTD Total

- Total Patents Awarded
- Total Patents Filed
- Total Patents Pending
- Total Invention Disclosures
- Total Licensing Revenues (\$MM)
- Total Innovation Submissions
- New Trade Secrets Classified
- New Products Introduced
- Number of Approved New Projects
- Total Active New Products
- % Sales Attributed New Products, Last 3 Years
- % Increase R&D
- % Resources/Investment Dedicated to New Products
- Avg. Development Cost per Project/Product (\$M)
- R&D Growth/Earnings Growth
- Avg. Commercialization Speed (Months)

Metric

#

%V

5

Yr.

Avg.

18	30	23
43	53	34
64	24	44
76	55	33
10.5	33	44
377	134	78
245	128	65
12	10.7	14.6
15	8.3	9.2
43	7.5	6.8
28	38	23
12%	12	7.6
35%	21	12.3
234	(7.4)	3.4
1.15	15	8.6
18	14.9	5.6

Overview | Patents | New Products | Invention Disc. | Active Projects | R&D | Rejected | (c) dipu |

Corporate Performance

Today Week Month Quarter Year More...

Divisions

- Medical Systems
- Industrial Systems
- Plastics
- Capital
- Information Services

Patents	New Products	Invention Disclosures	Active Projects	R&D Headcount
21	3	38	8	504
103	4	156	24	5500
55	1	54	3	128
61	45	5	4	230
84	1	15	6	300



Figure 15d

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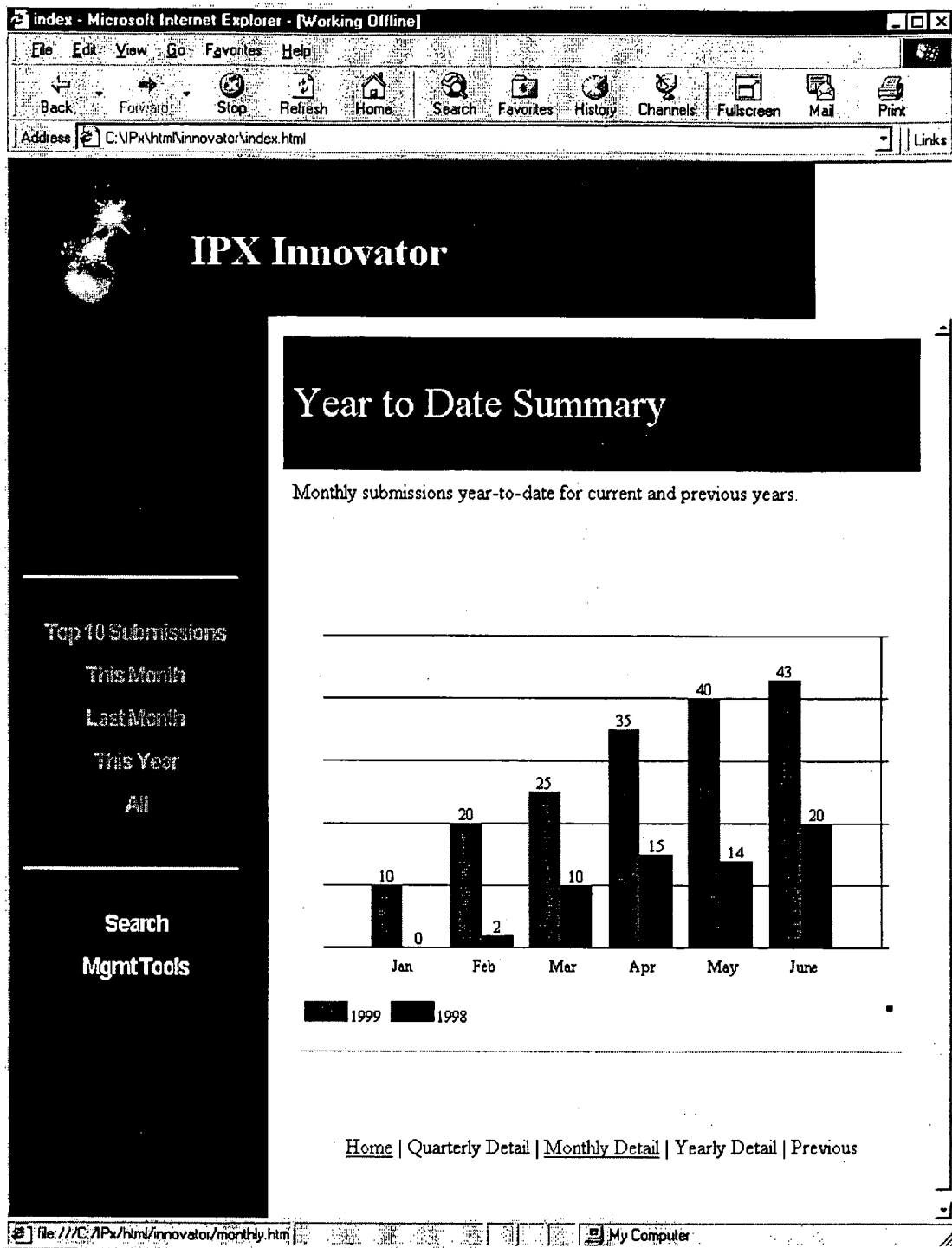


FIGURE 16a

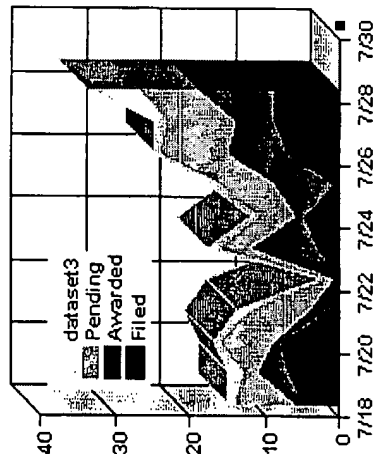
00011-00660260

Innovator Division Overview

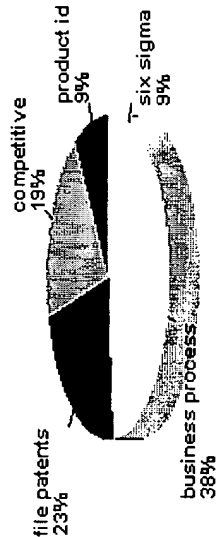
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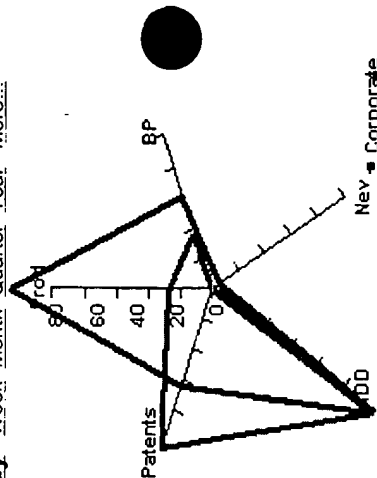
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Category	YTD Total
Filed Patents	82
Awarded Patents	103
Pending Patents	56
Expiring Patents	12
Invention Disclosures	226



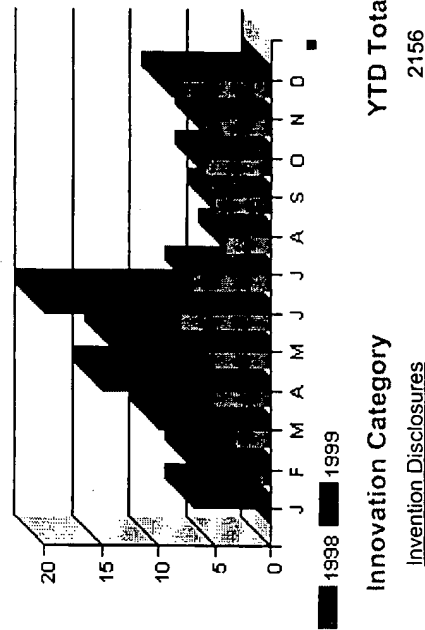
Innovation Category	YTD Total
New Products	21
Patents	103
Business Process Improvements	55
Six Sigma	61
Competitive	84



Innovation Goals	YTD Total
New Product Innovations	100
Filed Patents	50
Invention Disclosures	1500
New Business Spin-Offs	5
New Best Practices	50

New Product Submissions [Today](#) [Week](#) [Month](#) [Quarter](#) [Year](#) [More...](#) [edit](#) [-](#) [x](#) Authors ? Rank [edit](#) [-](#) [x](#) Innovation Performance [Today](#) [Week](#) [Month](#) [Quarter](#) [Year](#) [More...](#) [edit](#) [-](#) [x](#) Top Licensing Revenue [Chart](#) [News](#) [Performance](#) [Details](#) [SEC](#) [Rese](#) [More...](#) [edit](#) [-](#) [x](#)

Title	Authors ? Rank
Neural Network Optical Driver	Gabrick 92%
Software System For AI	Orlowski 82%
Internet Searching	N.A. 79%
HTML Authoring Tools	N.A. 65%
NE126 Product Improvements	Elston 55%
Robotic Force Feedback Sensor	Orlowski 45%
Software System For AI	Smith 38%
Neural Network Optical Driver	N.A. 36%
HTML Authoring Tools	Elston 31%
Robotic Force Feedback Sensor	



Innovation Category	YTD Total
Invention Disclosures	2156

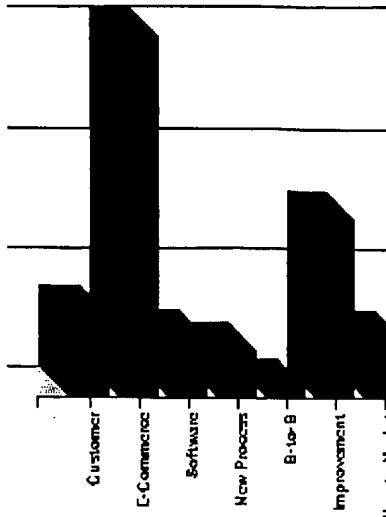
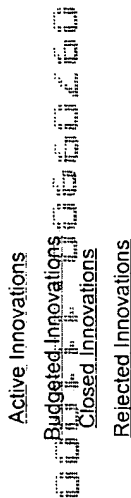


Figure 16b

263
55
489
1349



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Departments

Seattle, WA

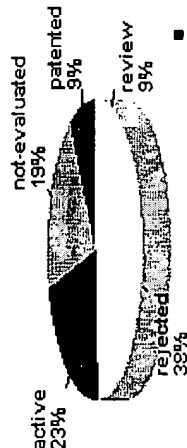
Marketing Sales WSA International Finance
Business Development Patent Corporate More

Pittsburgh, PA

Sales International Finance Patent Corporate
Counsel Software Development Technical Support
Customer Service Accounting More

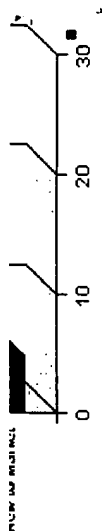
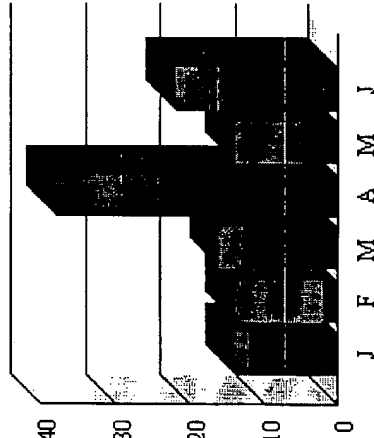
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Corporate Performance

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Title

1. Neural Network Optical Driver
2. Software System For AI Internet Searching
3. HTML Authoring Tools
4. NE126 Product Improvements
5. Robotic Force Feedback Sensor
6. Software System For AI Internet Searching
7. Neural Network Optical Driver
8. HTML Authoring Tools
9. Robotic Force Feedback Sensor

Authors ? Rank

- | Author | Rank |
|----------|------|
| Gabrick | 92% |
| Orlowski | 82% |
| N.A. | 79% |
| N.A. | 65% |
| Elston | 55% |
| Orlowski | 45% |
| Smith | 38% |
| N.A. | 36% |
| Elston | 31% |

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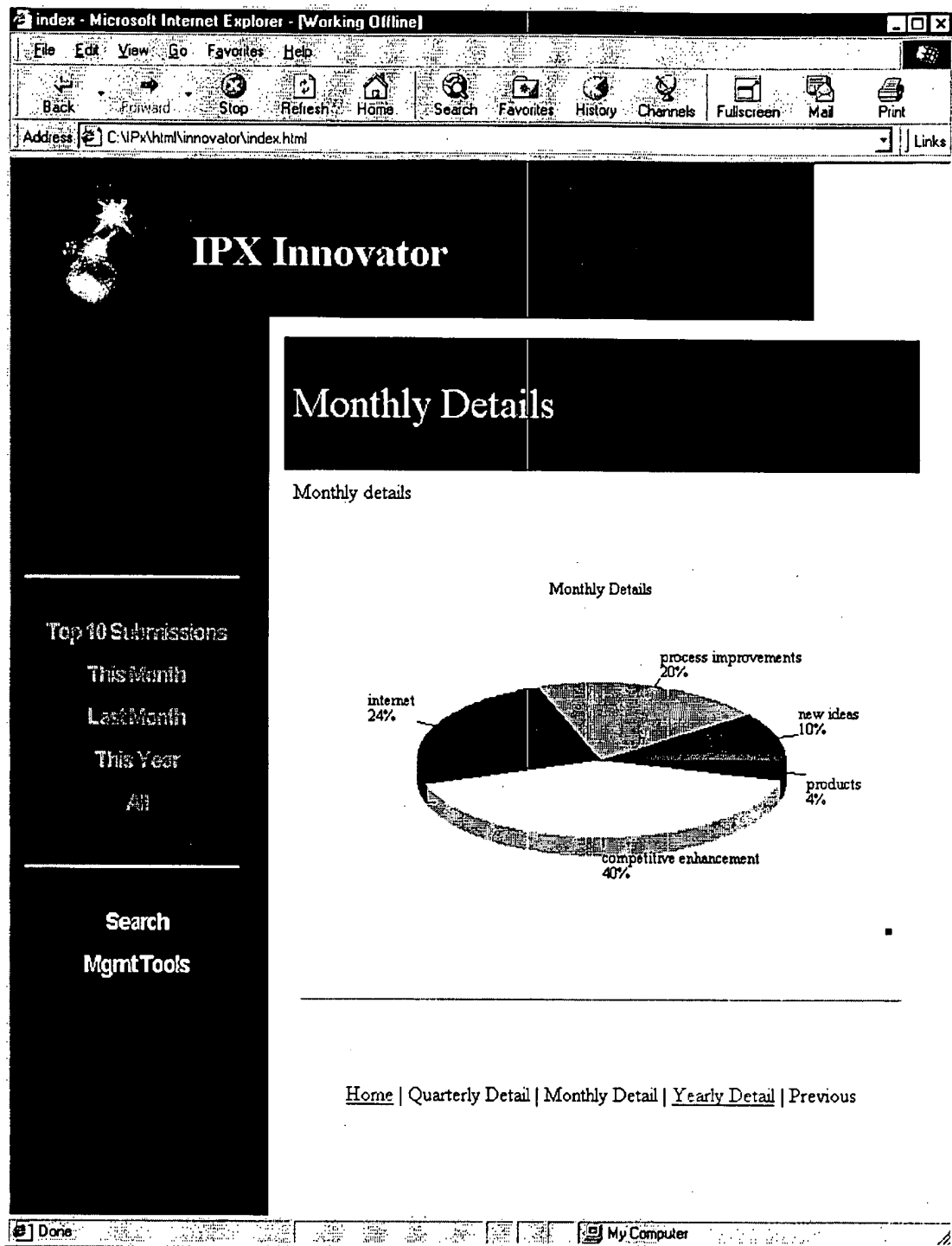


Figure 17a



Innovator Management

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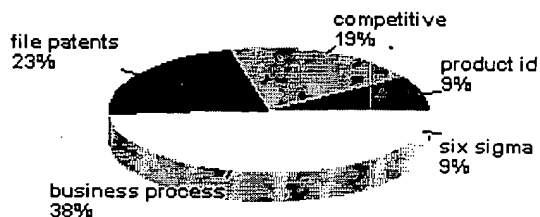
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Submission Overview

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By Action [Status](#) [IP Type](#) [Division](#) [Rank](#) [More...](#)



Updates

April 20, 6:22PM EST

- [PTO Updates MPEP](#)
- [Urgent Search Results](#)
- [5 New Innovation Disclosures](#)
- [PK107 Review Results](#)



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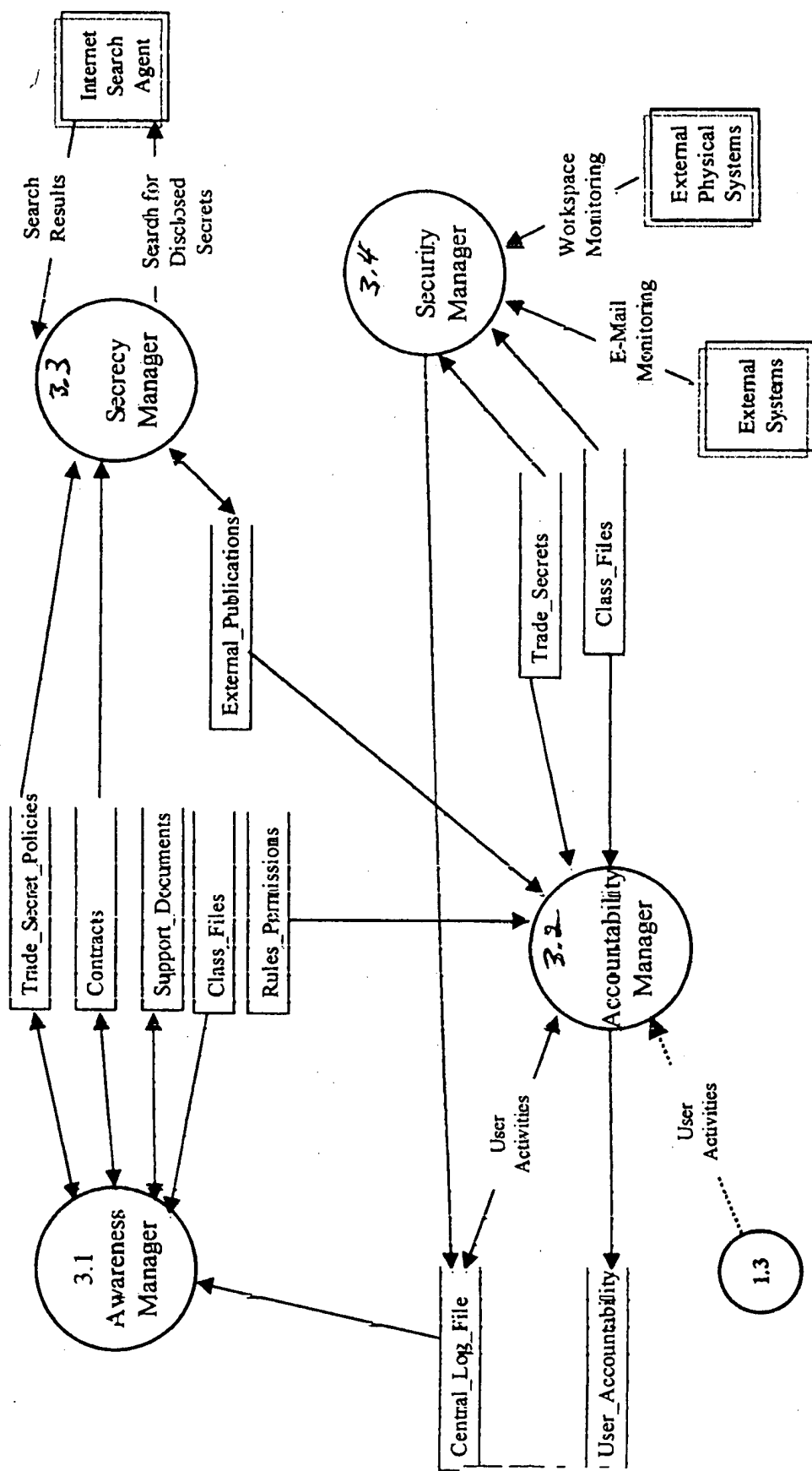
[Calendar Lookup](#)

[Database Search](#)

Innovation Goals	Today	YTD Total
New Product Innovations	1	100
Filed Patents	1	50
Invention Disclosures	5	1500
New Business Spin-Offs	0	5
New Best Practices	2	50

Active **In-Review** **Patents** **Trade Secrets** **Trademarks** **Copyrights** **Licenses** **Non-Active** **Rejected** [\(a\) show](#)

Figure 176



Trade Secret System Overview Diagram

Fig 18

The diagram illustrates the architecture of the Trade Secret Protection System, divided into three main components: Agent Monitoring System, Trade Secret System, and File Management Server.

Agent Monitoring System:

- External Applications:** Interacts with the Trade Secret Launcher (1.1) and the Trade Secret Monitor (1.3).
- Trade Secret Launcher (1.1):** Receives *Trade_Secret* and sends *Wrapper_Corbits* to the Event Manager (1.2). It also sends *Activities* to the Trade Secret Monitor (1.3).
- Event Manager (1.2):** Receives *Changes* and sends *Activities* to the Trade Secret Monitor (1.3).
- Trade Secret Monitor (1.3):** Receives *Recorded_Activities* and sends data to the *Log_File*.
- Log_File:** Stores recorded activities.

Trade Secret System:

- Trade Secret File:** Contains *id* and *Trade_Secret_File*. It receives *Trade_Secret* and sends *Changes* to the Event Manager (1.2).
- User_Activities:** Interacts with the Trade Secret Setup (3).
- Trade Secret Setup (3):** Receives *User_Activities* and interacts with the File Management Server.

File Management Server:

- Network Users:** Interacts with the Trade Secret Selector (2.1) and the Request Handler (2.2).
- Trade Secret Selector (2.1):** Receives *Trade_Secret_Request* and sends *Approved_Request* to the Request Handler (2.2).
- Request Handler (2.2):** Receives *Approved_Request* and sends *Recorded_Activities* to the File Wrapper System (2.4).
- Rules (2.3):** Interacts with the Trade Secret Selector (2.1) and the File Wrapper System (2.4).
- File Wrapper System (2.4):** Receives *Recorded_Activities* and sends data to the Central_Log_File.
- Central_Log_File:** Stores recorded activities.
- Class Manager (2.5):** Receives *id* and *.Class_Files* and interacts with the File Management Server.
- Network Data:** Interacts with the Request Handler (2.2) and the Class Manager (2.5).

Data Flow Summary:

- Trade_Secret* flows from the Agent Monitoring System to the Trade Secret File.
- Trade_Secret_Request* flows from the File Management Server to the Trade Secret Selector (2.1).
- Approved_Request* flows from the Trade Secret Selector (2.1) to the Request Handler (2.2).
- Recorded_Activities* flows from the Request Handler (2.2) to the File Wrapper System (2.4).
- id* and *.Class_Files* flow from the File Management Server to the Class Manager (2.5).

FIGURE 19

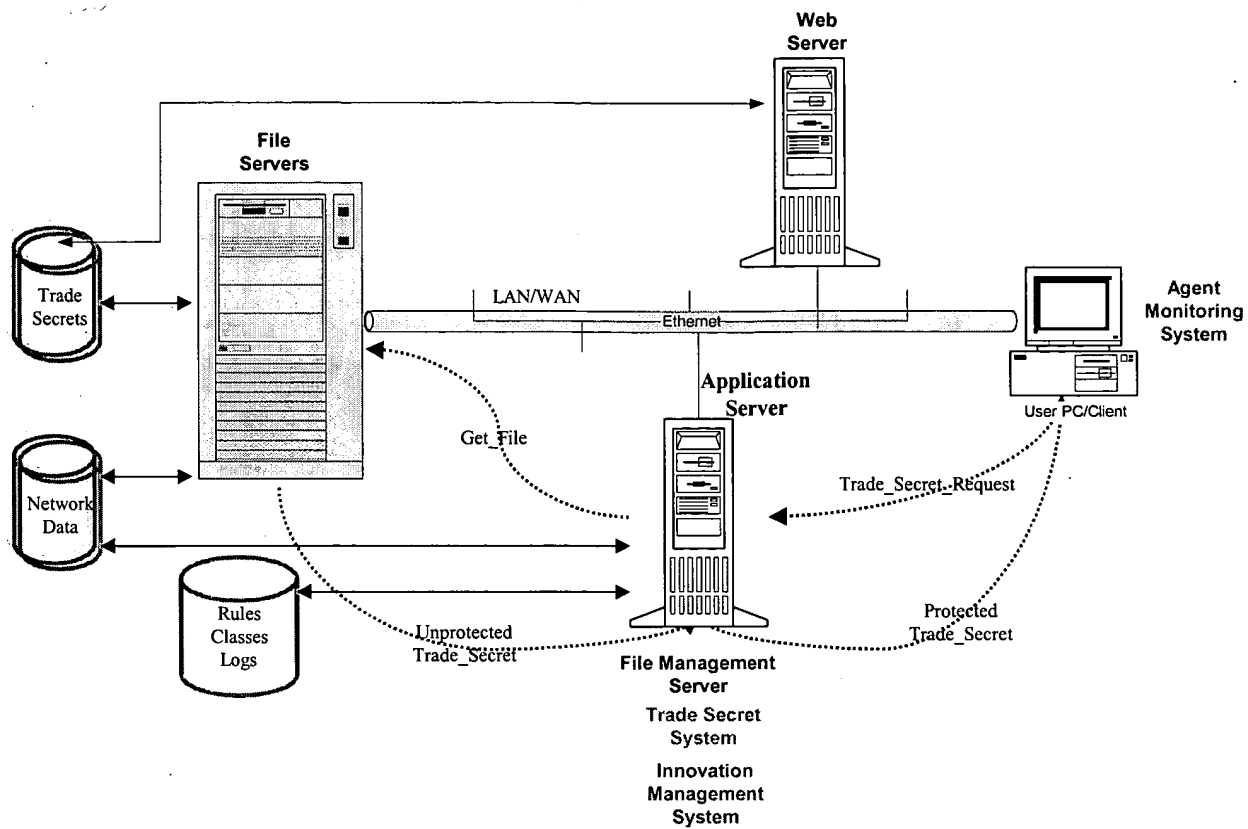


FIGURE 20

IPX Intellectual Property Explorer

Explorer Classes/Users Policies Analysis Search Results Monitor

Desktop

- My Computer
- 3½ Floppy (A:)
- ☒ (C:)
- Compartfs (D:)
- Printers
- Control Panel
- Dial-Up Networking
- Scheduled Tasks
- My Documents
- Network Neighborhood
- Recycle Bin
- My Briefcase
- Online Services

20 Files in C:\

File Details

AUTOEXEC.BAK
 AUTOEXEC.BAT
 COMMAND.COM
 CONFIG.SYS
 CONFIG.SYS
 FRONTPG.LOG
 FRUNLOG.TXT
 LOGO.SYS
 MAPFILE.DBG
 MSINPUT.INI
 NETLOG.TXT
 office.wab
 RESOURCE.LOG
 restart.bat

Restore Default for: Level 1-Highest

Last Updated on: 6-30-98

☒ Logging
☒ Visual Warning
☐ Encryption
☒ Password

Password Options

☐ On Network
☐ Other

☐ Agent

Agent Options

☐ Tracks Changes/Versions
☐ Deletes after 30
☐ Must Connect with Server

Exit OK

FIGURE 21

IPX Intellectual Property Explorer

Explorer **Classes/Users** Policies Analysis Search Results Monitor

Classes			
Class Name	Date Created	Date Modified	Access Level
Development	1/12/99	4/5/99	Level 1-Highest
▶ Executive	1/12/99		Level 2
Finance	1/29/98	1/29/99	Level 4
Human Resources	1/12/99		Level 5-Lowest
Manufacturing	1/12/99	1/13/99	Level 3
Marketing	5/28/93	1/15/99	Level 3
Research	12/12/98	1/5/99	Level 1-Highest
*			

Add Delete Update

Members of Class: Executive

Available Items:

Elston, Cash
Gabrick, John
Gabrick, Tara
Smith, Fred
Tortellina, Angela
Voipe, Cindy

Selected Items:

Jones, Tony
Moore, Sandra

Permissions for Class: Executive

Restore Default Executive

Last Updated on: 1/12/99

☒ Logging
☒ Visual Warning
☐ Encryption
☒ Password

Password Options

☒ On Network
☐ Other

☐ Agent

Agent Options

☐ Tracks Changes/Versions
☐ Deletes after 30
☐ Must Connect with Server

Exit OK

FIGURE 22

Trade Secret Classes

Class Name:

Last Update:

Security Level:

Description:

FIGURE 23

Users

	User Name	Class	Rules
1	John Gabrick	Admin	E: RSA, P, V
2	Cassius Elston	Admin	E:RSA, P, A, D:10, V
3	Sam Smith	R&D	E:ASE, V
4	Sam Smith	Sales	V, A
5	Tony Orlowski	Sales	V, A
6	William Hunter	HR	P, E:RSA, V
7	Tim O'Brien	Top Secret	E:RSA, P, A, D:10, V

54 Users

FIGURE 24

User Classes

Class Name:	<input type="text" value="Admin"/>		
Last Update:	<input type="text" value="8/25/98"/>		
Security Level:	<input type="text" value="Level 2"/>	<input type="button" value="Permissions"/>	
Description:	<div>Level 2 is the second highest permission level. It allows the user all rights except Delete.</div>		

Permissions

Restore Default for: Level 1-Highest

☒ Visual Warning

☒ Encryption RSA

☒ Password

☐ Use Network Password

☒ Other pUn87Xas

☒ Agent

☐ Delete after days

☒ Track Changes

☒ Print?

☐ Delete?

☒ Modify?

Cancel OK

IP Removal Options

☒ Automatically select after days

☐ Select on specific date:

☒ Select if not accessed for days

☒ Perform Intelligent Key Word Searches

FIGURE 27

Submit Idea - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss



Innovator

★ Member Evaluation Board 2000
★ Distinguished Patent Fellow 1998
★ Peer Review Board 1999

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Submit Innovation

Explorer

- ☒ Desktop
 - ☒ My Computer
 - 3 1/2 Floppy (A:)
 - Windows (C:)
 - My Documents
 - Program Files
 - Temp
 - Windows
 - Autoexec.bat
 - config.sys
 - Data (D:)
 - CD-ROM (E:)
 - ProjectX_Server' (F:)
 - Printers
 - Control Pannel
 - Scheduled Tasks
 - ☒ Network Neighborhood
 - Entire Network
 - Simon's PC
 - Bob's PC
 - ☒ Recycle Bin

Inventor(s) Information

	Name	Location	Dept.	ID#	Manager
Contributor 1	John Gabrick	Pittsburgh	5600	1A8592	Gerstner
Contributor 2	Cash Elston	Redmond	5600	1A5623	Welch
Sponsor	Tom Jones	Seattle	8700	9A7612	Smith

Innovation Information

Innovation Name

Innovation Type

Supporting Electronic Documents

Supporting Paper Documents

Title

Date

Type

Location

Description

Key Words

Protection Information

Route to Corporate Counsel? ☐ yes

Potential Trade Secret? ☐ yes

Initial Protection Level

Warning Message

Encryption ☐ yes

Has This Innovation Been Disclosed to Anyone Other Than the Inventors? ☐ yes, if yes to whom

Thank you for submitting this idea.

FIGURE 28a

Submit A New Innovation

Thank you for submitting a new innovation at IPX Corporation. The information that you enter will help to make our company more productive AND it will help to create a more lucrative environment for you personally. After the information has been reviewed by our IP Committee, you will receive feedback about the status of your submission. All plausible ideas will be result in a financial reward, whether the idea is used or not. If your idea has greater potential, you may be asked (or you may volunteer) to be part of a special task force which examines the idea in more detail and submit a business justification for continued investment. If selected, your idea could be worth enough to allow you to retire. Thanks for participating, and remember to view the status of your submissions on the Status web page. Thank you.

- 1) Name:
- 2) Location:
- 3) E-Mail:
- 4) Innovation Type
 - ☐ New Idea
 - ☐ Process Improvement
 - ☐ Competitive Tactic
 - ☐ Patent
 - ☐ Other (Please specify):
- 5) Key Words Used to BRIEFLY Describe Innovation
- 6) Description of Innovation

Thank you for submitting this idea.

Figure 28b



Innovation Database Search

Key Word(s)

Search for:


Downloaded from <http://www.jstor.org/stable/2346192> on Tue, 20 Jun 2016 12:02:05 UTC
All use subject to [JSTOR Terms and Conditions](#)

Start Search

Reset

Search Parameters

Results

MUST NOT contain 

the phrase

Results

SHOULD contain

the phrase

Start Search

Reset

[illegible]

FIGURE 29a

000000-1100

Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History

Address C:\Program Files\Internet Explorer\search.html

Database Search

Enter Search Words

☐ All Words ☐ Any Words

Search in:

☐ Name
☐ Key Words
☐ Description
☐ Date
☐ Location
☐ All Fields

Search by

☒ All Words ☐ Any Words

Search in:

☐ Name
☐ Key Words
☐ Description
☐ Date
☐ Location
☐ All Fields

FIGURE 29b

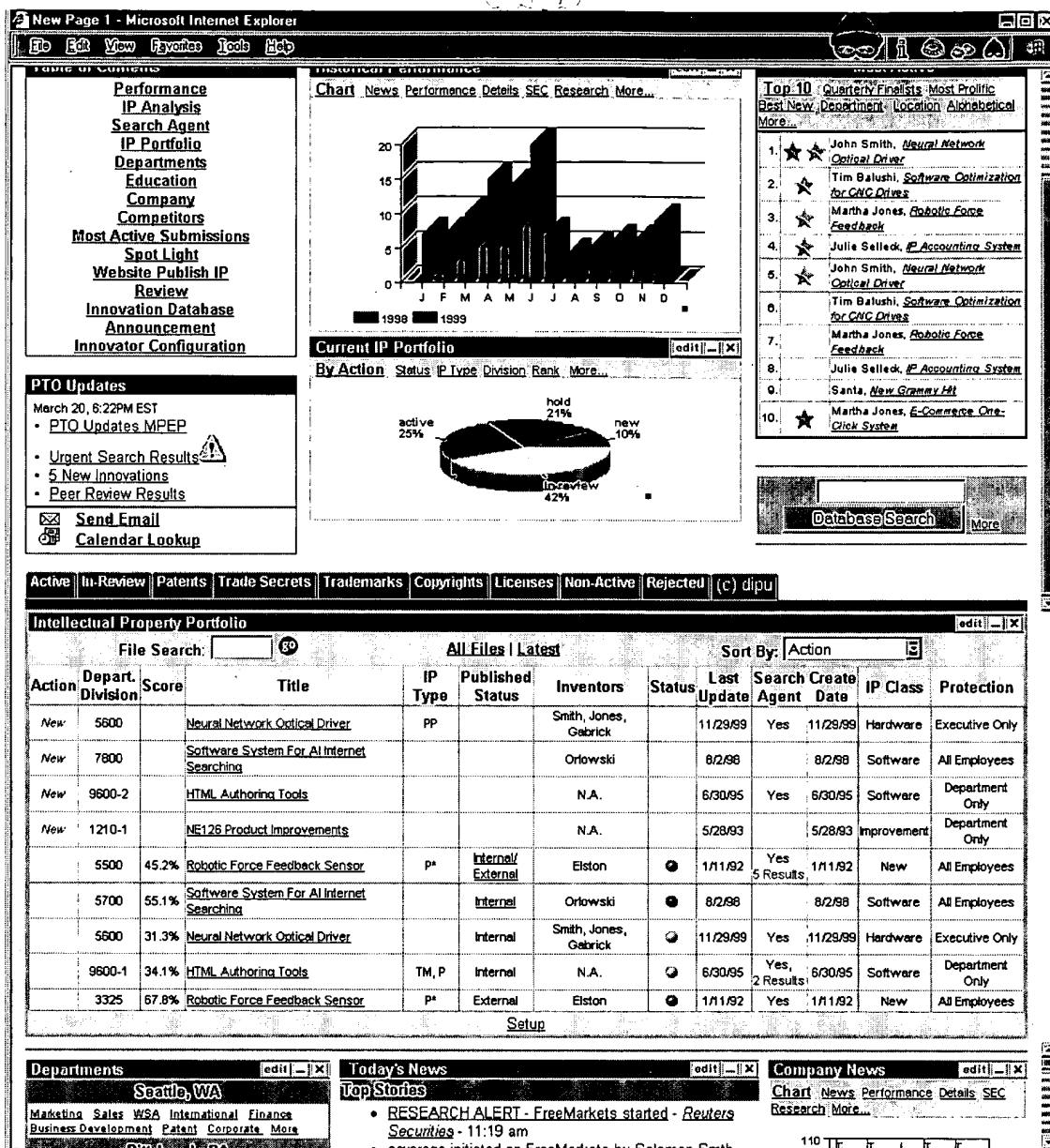


FIGURE 30a

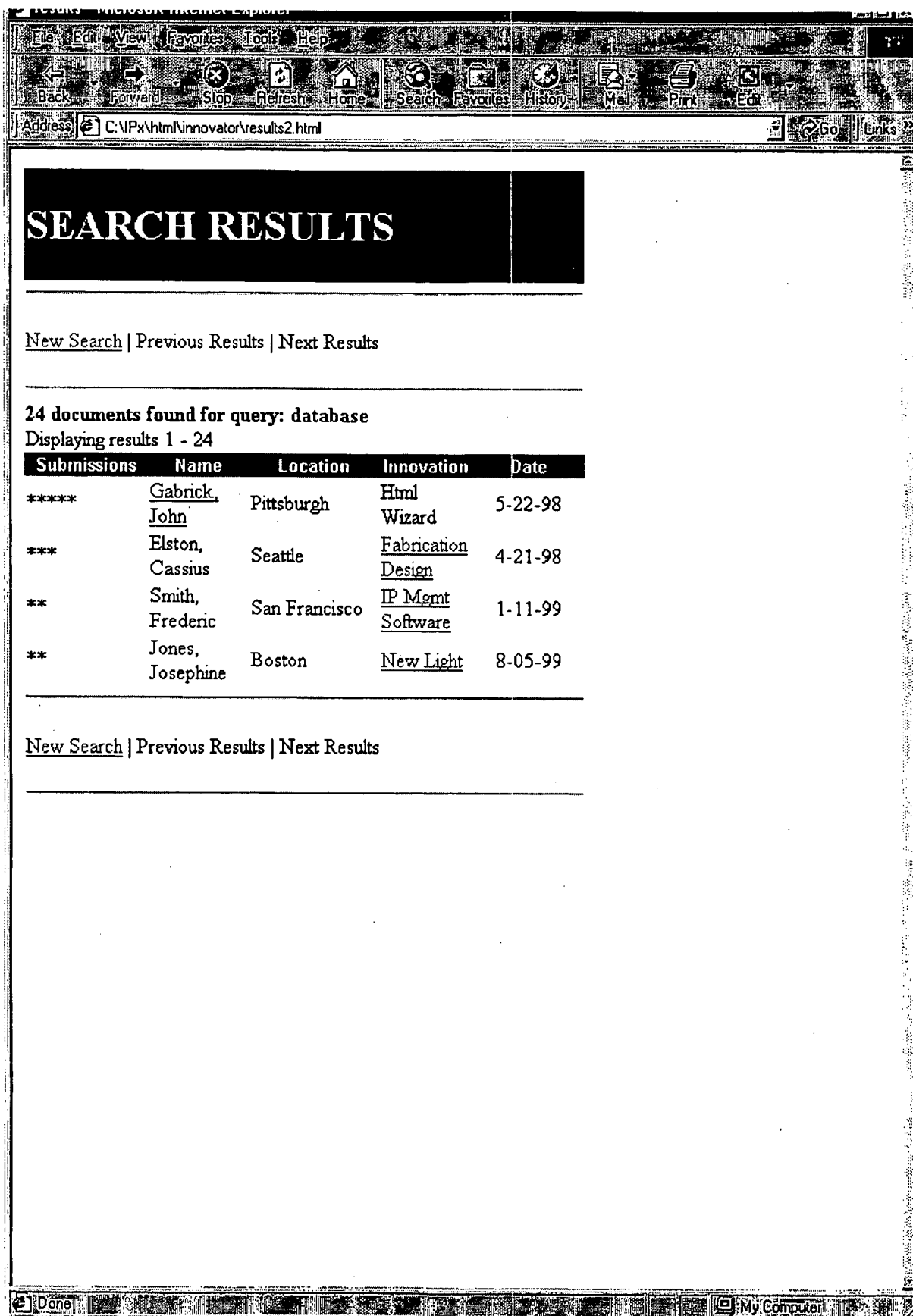


FIGURE 306

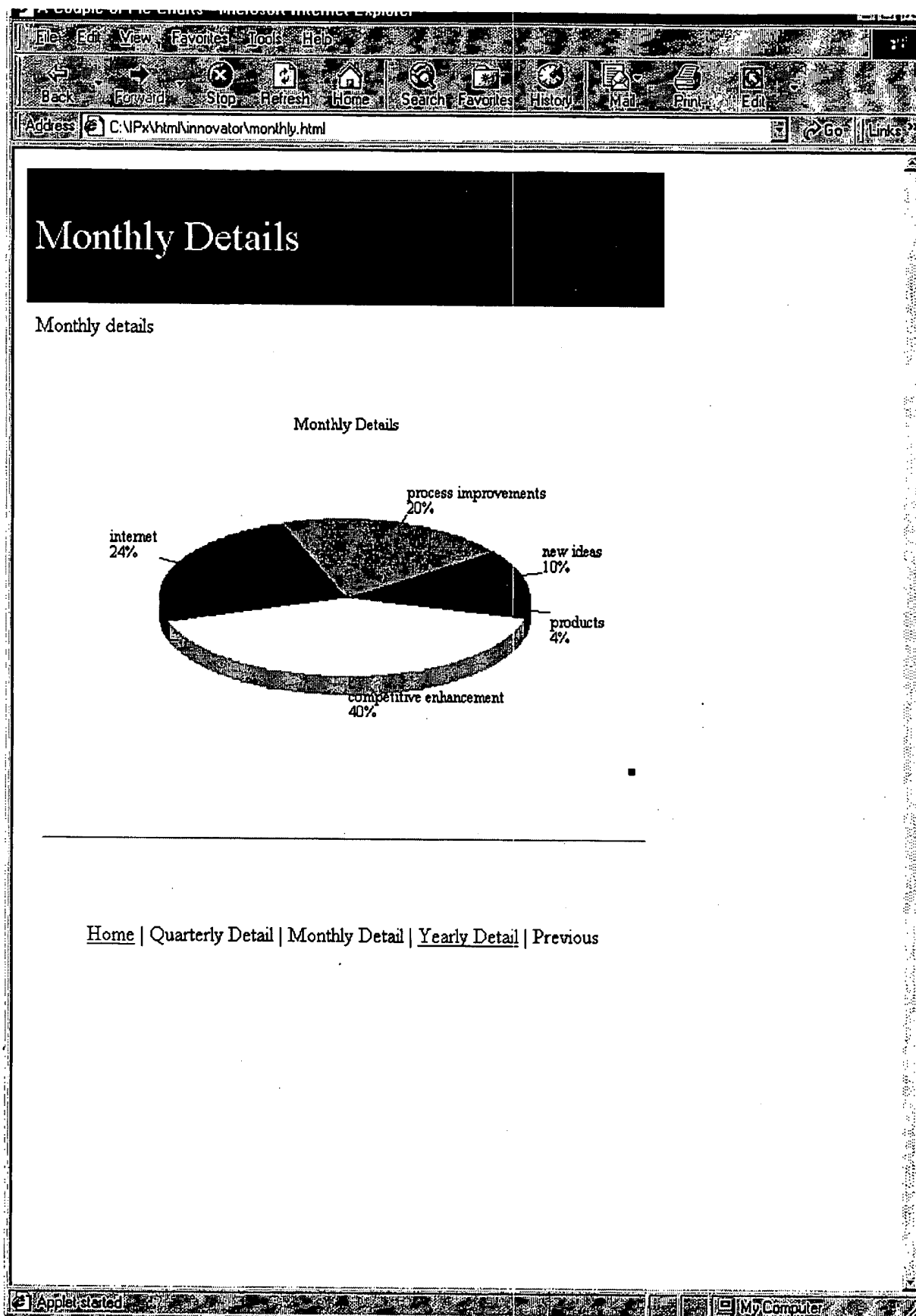


FIGURE 31

00000000-11000

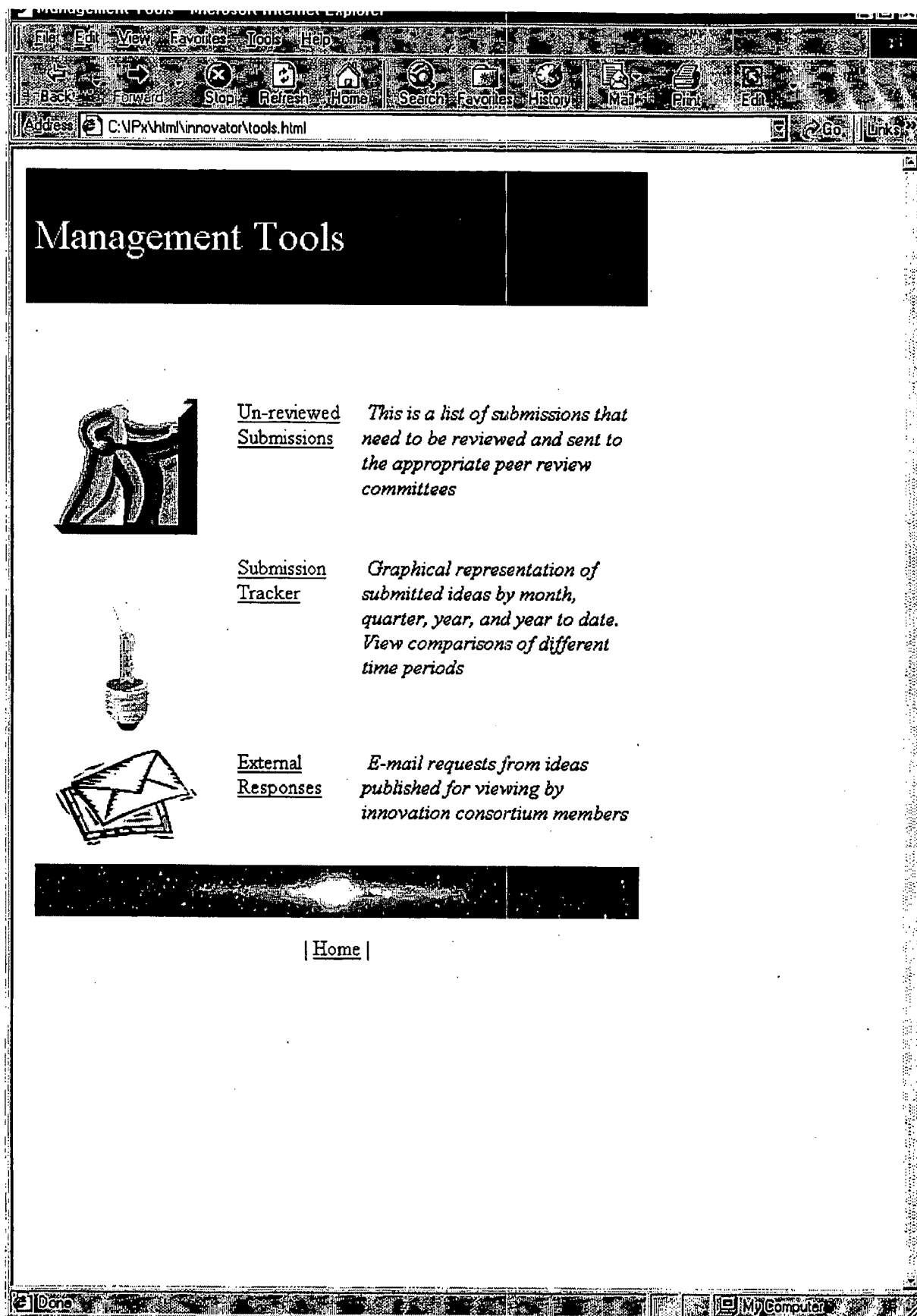


FIGURE 32

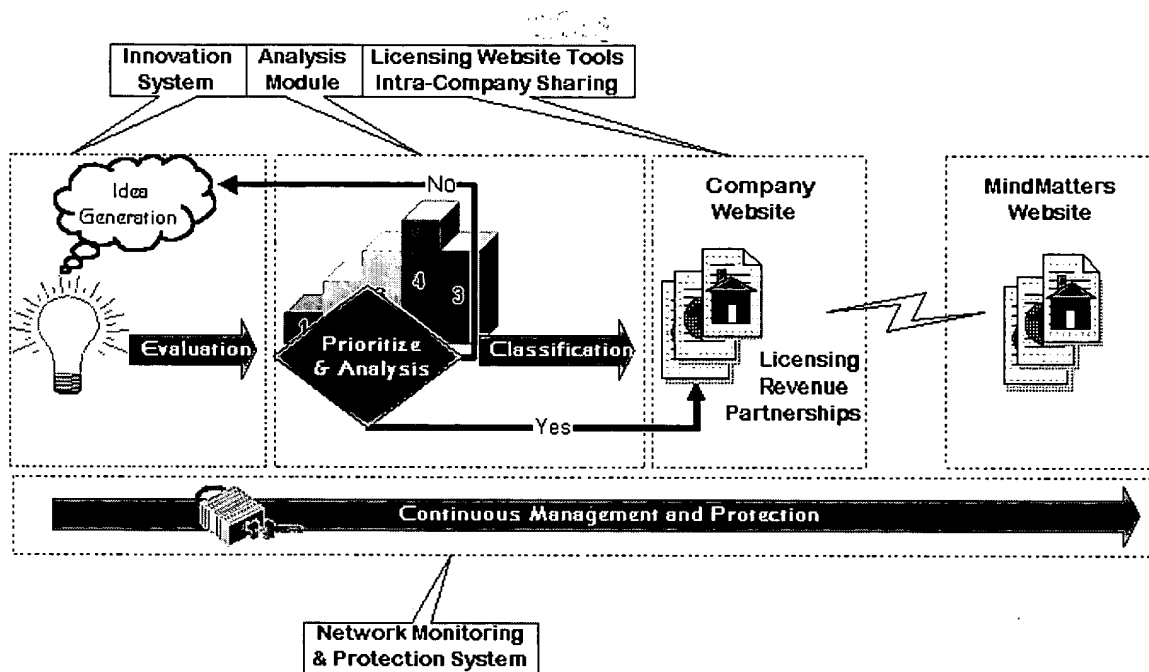


FIGURE 33

The diagram illustrates the architecture of the Enterprise Innovation Management System (EIMS). At the center is a box labeled "Enterprise Innovation Management System (EIMS)". Surrounding it are various external components and databases, each with arrows indicating data flow to or from the EIMS:

- Independent IP Market Makers**: Provides "Licenseable IP" to the EIMS.
- Interested Parties**: Provides input to the EIMS.
- Time/Date Authority**: Provides a "Time/Date Certificate" to the EIMS.
- Submitted Idea**: Provides input to the EIMS.
- Idea Link**: Provides input to the EIMS.
- Score**: Provides input to the EIMS.
- Third-Party Analysis Reviewer**: Provides input to the EIMS.
- Filed Patents**: Provides input to the EIMS.
- Status**: Provides input to the EIMS.
- Search Parameters**: Provides input to the EIMS.
- Search Results**: Provides input to the EIMS.
- Independent Search Agents**: Provides input to the EIMS.
- Idea Specifications**: Provides input to the EIMS.
- Marketing Leads**: Provides input to the EIMS.
- Marketing Leads Databases**: Provides input to the EIMS.
- Time/Date Authority**: Provides input to the EIMS.

FIGURE 34

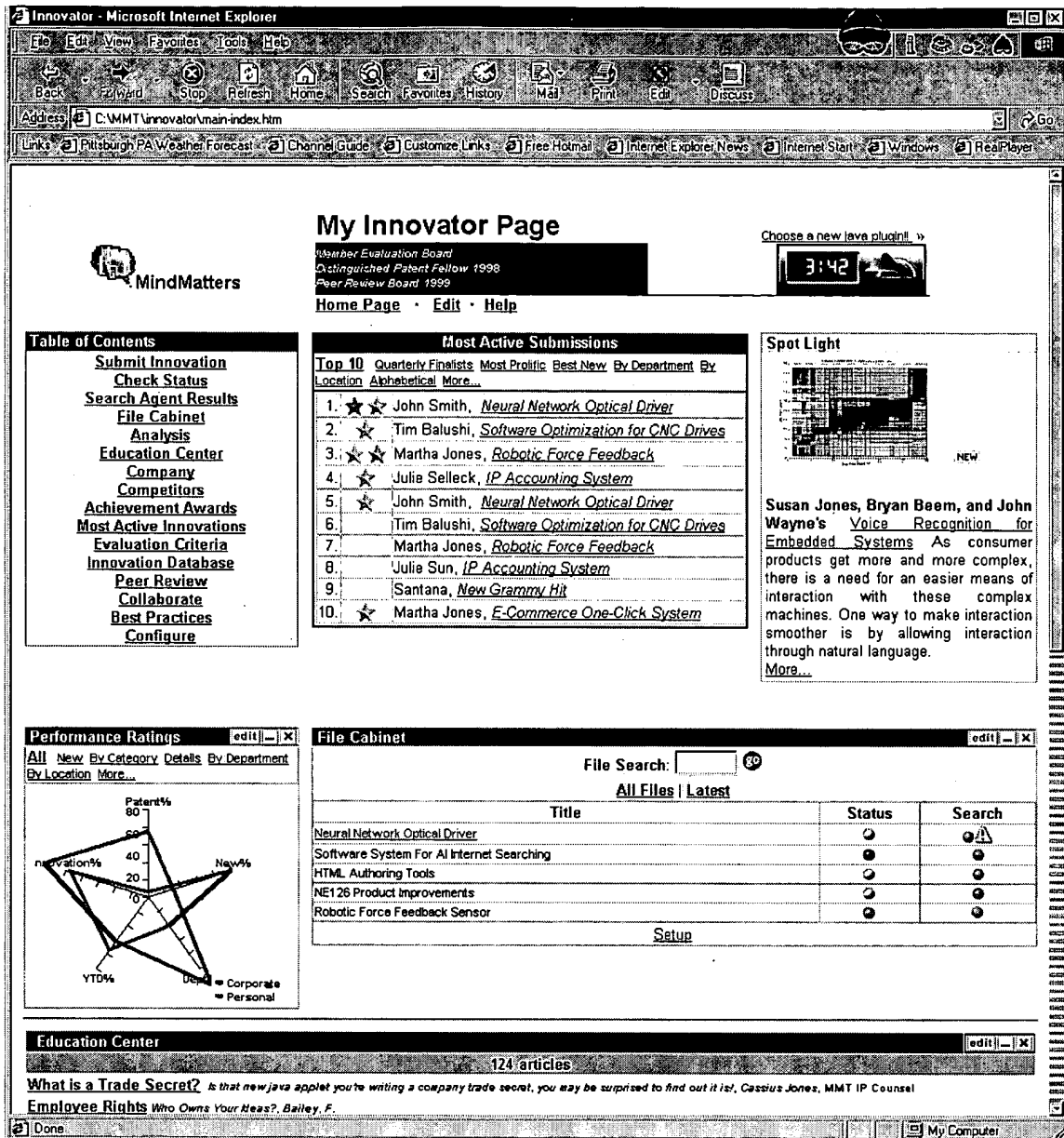


FIGURE 35a



Innovator

- ★ Member Evaluation Board 2000
- ★ Distinguished Patent Fellow 1998
- ★ Peer Review Board 1999

[Home Page](#) • [Edit](#) • [Help](#)

Submit Innovation

Explorer

- ☒ Byte-Sized Computing
- ☒ Please Register...
- ☒ Desktop

Inventor(s) Information

	Name	Location	Dept.	ID#	Manage
Contributor 1	John Gabrick	Pittsburgh	5600	1A8592	Gerstner
Contributor 2	Cash Elston	Redmond	5600	1A5623	Welch
Sponsor	Tom Jones	Seattle	8700	9A7612	Smith

[Lookup](#)

Innovation Information

Innovation Name

Innovation Type

Supporting Electronic Documents

Supporting Paper Documents
Title
Date

[Generate Barcode](#)

Type
Location

Description

Key Words

Protection Information

Route to Corporate Counsel? ☐ yes

Potential Trade Secret? ☐ yes

Initial Protection Level

Warning Message

Encryption ☐ yes

Has This Innovation Been Disclosed to Anyone Other Than the Inventors? ☐ yes, if yes to whom

Thank you for submitting this idea.

[Submit Idea](#)

[Clear all answers](#)

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Innovator - Microsoft Internet Explorer

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SEARCH AGENT CONFIGURATION

Search Location(s)	Competitors
<input checked="" type="checkbox"/> Network <input checked="" type="checkbox"/> Patent Server <input type="checkbox"/> Trademark Server <input type="checkbox"/> US PTO Gazette <input checked="" type="checkbox"/> Other Server <input type="checkbox"/> Intranet Sites: <input type="text" value="Pittsburgh"/> <input type="checkbox"/> Internet: <input type="text" value="(.com)"/>	<input type="radio"/> Ariba <input type="radio"/> CommerceOne <input type="radio"/> E-Bay.com <input type="radio"/> General Motors <input type="radio"/> Steel-trade.com <input type="radio"/> Amazon.com

Search These Competitors Also:

Search Parameters

Results the phrase

Results the phrase

Specific Criteria

IP Asset

Title

Subject

Search Words

Exclude these Words

Dates

FIGURE 36



Innovator

- ★ Member Evaluation Board 2000
- ★ Distinguished Patent Fellow 1998
- ★ Peer Review Board 1999

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John B. Corbis

Director, Strategic Operations
Research and Technology
120 Oxford Center
Pittsburgh, PA 15222
412-566-3240
corbisj@rand.com



Publishing Configuration

- ☒ Publish Title
- ☒ Publish Contact Information
- ☒ Publish Picture

Areas of Research/Development

Condensed matter physics, especially tunneling, semiconductors and organic solids; surface science, color systems design and integration; technology forecasting, planning and management

Publishing Changes

Condensed matter physics, especially tunneling, semiconductors and organic solids; surface science, color systems design and integration; technology forecasting, planning and management

Projects

Date	Title	Status
3-12-00	Neural Network Optical Driver	<input type="radio"/>
6-1-99	Software System For AI Internet Searching	<input type="radio"/>
11-29-98	HTML Authoring Tools	<input type="radio"/>
5-12-97	NE126 Product Improvements	<input type="radio"/>
1-11-92	Robotic Force Feedback Sensor	<input type="radio"/>
10-15-90	Biometric Nanocircuit	<input type="radio"/>
8-6-89	Nucleotide Combination for Peptides	<input type="radio"/>
4-31-89	Browser Search Agent	<input type="radio"/>

Publishing Configuration

- ☒ Publish Date
- ☒ Publish Status
- ☒ Publish Search Results

Publications

Layout Configuration

Style

Color Scheme

- ☒ Areas of Research
- ☒ Projects
- ☒ Accomplishments
- ☐ Contributions
- ☐ Publications
- ☒ Interests
- ☒ Collaboration
- ☐ Teams
- ☐ Picture

Sections to Include

- ☒ Date/Time
- ☐ Fading Picture
- ☒ Video File
- ☐ Audio File

Java Applets

FIGURE 37



Innovator

- ★ Member Evaluation Board 2000
- ★ Distinguished Patent Fellow 1998
- ★ Peer Review Board 1999

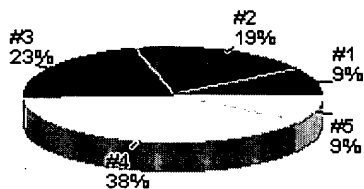
[Home Page](#) • [Edit](#) • [Help](#)

Personal Home Page Hits

Search Term	Who	Date
1. Software Intelligence	124.34.5.113 View Results Delete	1-13-00
2. Internet Searching	124.34.5.120 View Results Delete	2-4-00
3. Neural Network	124.34.5.126 View Results Delete	2-4-00

File Cabinet Hits (Internal)

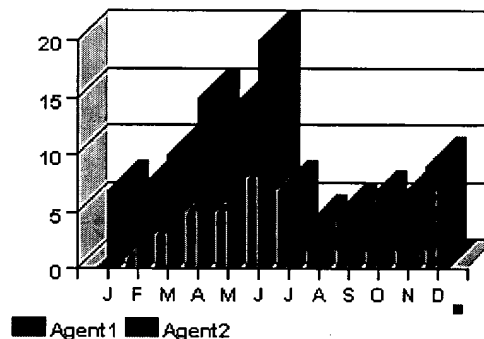
Title	Hits
1. Software System For AI Internet Searching	0
2. NE126 Product Improvements	1
3. Biometric Nanocircuit	0
4. Nucleotide Combination for Peptides	1
5. Browser Search Agent	0



Collaboration Agents

Title	Posted Hits
1. (Neural Network) AND (AI) OR Artificial View Results Edit Delete	11-29-99 5
2. "Optical Drivers" View Results Edit Delete	1-2-00 1

[Create New Agent](#)



Tips

View: View runs the agent.

Edit: Make changes to your agent any time.

Delete: Permanently remove your agent.

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FIGURE 38

New Page 1 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss

Address [C:\MMT\innovator\analysis.htm](#) Go

Links [Pittsburgh PA Weather Forecast](#) [Channel Guide](#) [Customize Links](#) [Free Hotmail](#) [Internet Explorer News](#) [Internet Start](#) [Windows](#) [RealPlayer](#)

Aggregate Score

Category	Score
Govt.	8
Org.	7
Cost	6
Fin.	5
Tech.	4
Market	3

Neural Network Optical Driver

Factors **MMT198002**

Market Attributes Financial Technical Customer Competitive Environment Government/Regulatory Costs Cash Flow/ROI Manufacturability Organizational Needs Proprietary Value

Score Result Datasets

Name	Location	Employee ID#	Innovation ID#	DataSet ID#	Factors
John Smith	Pittsburgh	1A8592	IC198	002	JSIC198002
Will Rogers	Seattle	1A7290	IC198	001	WRIC198001

Inventor(s) Information

- John Smith, Pittsburgh, Pervasive Development Group
- Casey Jones, Austin, Hardware Systems Group
- Tim Orlowski, Seattle, International Control Systems

Innovation Information

Innovation Name	Neural Network Optical Driver
Innovation Type	Business-to-Business
Supporting Documents	C:\My Documents\Plans.doc
Other Inventors	Casey, Jones
Description	This system automatically updates and adjusts to changes in ambient light. Users are able to build robotic guidance systems that adapt to any lighting scheme
Key Words	Neural Network, Optical

Market Factors

1.	Rate the obviousness of the innovation (1=obvious, 10=breakthrough)	NA
2.	In the industry unstable with many technological, regulatory, and competitor changes or stable with few changes (1=stable 10=unstable)	NA
3.	Is there a dominate competitor, with close to 50% of market which forces new you to find a niche market and to NOT compete head-to-head (1=head-to-head 10=niche)	NA
4.	High growth, less head-to-head competition, and allows more "free wheeling" control of company. Must be combined with a broad (rather than focused) strategy (1=no growth, 10=high growth)	NA
5.	Many substantial barriers, or can be created with IP. Most significant is limited number of customers. (1=no barriers, 10=substantial barriers)	NA

Submit

Done My Computer

FIGURE 39

IP Asset Details

Title: Wafer Fabrication Nuclear Additives

ID#: HC198

Description: This process allows wafers to be manufactured at less than 12 angstroms

Possible Uses: Possible uses for this technology include not only semiconductor manufacturing facilities, but also detoxification in the nuclear industry. It could also be used to improve the performance of bicycle tires.

Industry: Semiconductor

SIC Code(s): 7330, 7331

File: C:\IP\WB\

Author(s)

In Use By:

Search Criteria

Permissions

Licenses

Index: 56.3%

Ownership: MMT Corporation

Coverage: World Wide

Class: Research

Asset Type: Trade Secret

Idea Type: Software

Date: 4-12-97

Status: Active

Metric	Value
Protection	20
Revenue	70
Cost	20
Process	50
Management	20
Commercial	70
Expansion	20
World	100
Technology	80

New **<< Back** **Next >>** **Cancel** **OK**

FIGURE 40



You last visited: October 09, 2000 11:49
5 New Posts since your last visit

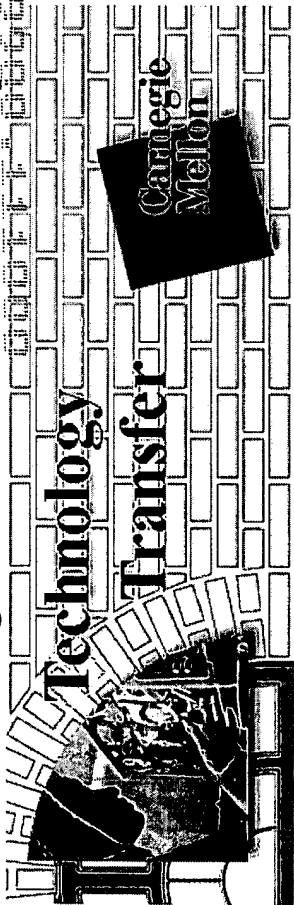
Innovations

Title	Inventor(s)	Posts	Last Post	Time	Resources	
					Equipment	\$Budget
Software Tool	John Gabrick	12	10-13-00	40	List	\$5,000
Internet Searching Algorithm	Harry Potter	40	10-12-00	30	List	\$1,250
Neural Network Driver	Ludwig Van	5	10-12-00	160		\$100

000000-4400

FIGURE 41

Voice Recognition for Embedded Systems



<http://www.cmu.edu>

INQUIRIES TO: Mathew Smith mathew.smith@cmu.edu

REFERENCE: 1996-282

CATEGORIES:

- Computer Software > AI software > Neural network software
- Factory Automation > Robot controllers

OPPORTUNITY: Licensing deal for 20% of revenue over a period of 5 years.

BACKGROUND

Stable and robust execution of contact tasks is of paramount importance for robot manipulators in many applications. Although there has been much interest in solving this problem, there have been no satisfactory solutions to date.

DESCRIPTION

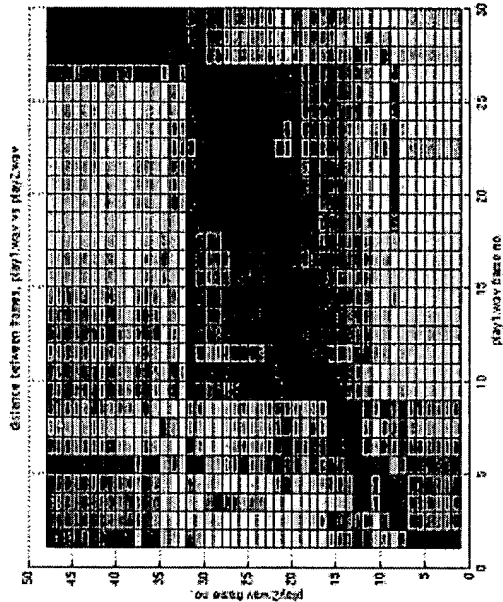
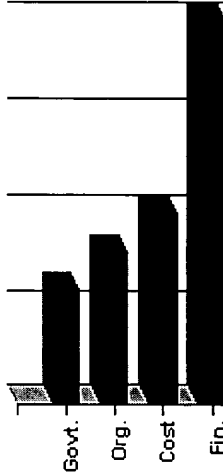
Researchers at the Carnegie Mellon University have developed a simple adaptive control algorithm that allows a robot to track any surface profile while maintaining a desired contact force on the object. This algorithm enables a robot manipulator to track with a specified force under totally unknown environmental conditions of stiffness and location. Both the stability and convergence of the algorithm are guaranteed.

APPLICATIONS

This force-control algorithm will be invaluable in a great variety of manufacturing and automotive applications currently performed either manually,

ADVANTAGES

- Allows tracking of any surface profile with desired force under totally unknown environmental conditions of both stiffness and location;
- Robust - both stability and convergence are guaranteed;
- Simple to implement.



Voice Recognition Intensities

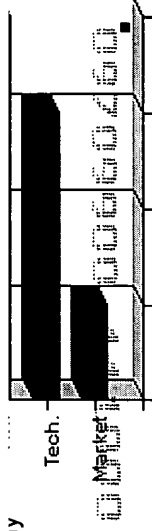
STATUS

1. Submitted 2/1/99
2. Reviewed by Peer Committee 3/15/99
3. Designated Class 1 Trade Secret 3/17/99
4. Original Submission Split into 2 Parts: Software and Hardware 4/1/99
5. Software Specification Re-submitted 4/15/99
6. Hardware Re-submitted 5/1/99
7. Approved by Peer Committee 6/15/99
8. Claims Drafted 6/30/99
9. Search Agent Locates New Prior Art 7/4/99
10. Claims Re-Drafted 7/10/99
11. Provisional Patent Filed 8/1/99
12. Invention Assignment Completed 8/1/99
13. PTO First Review Anticipated 8/1/00

FIGURE 42

applications currently performed either manually
or by fixed automation equipment:

- Grinding
- Polishing
- Buffing
- Deburring
- Assembly operations



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Create search agents that will search around the clock and email you the results.

* Required Information

Select Submission Categories

..... Select all

Computers, Hardware

Computers, Software

Engineering

Information Technology

For multiple selections,
hold down <Ctrl> key

How Often Do You Want to Receive Email Notification?

☐ Daily ☒ Weekly ☐ Bi-Weekly ☐ Monthly ☐ None

Submission Status

☐ New ☐ Accepted

☐ Rejected ☐ All

Select the type of submission you would like to search for.

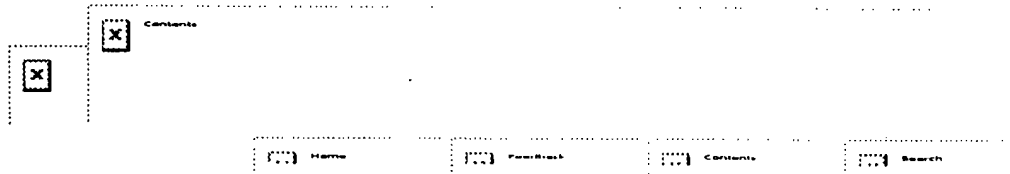
Search Keywords

Describe the specific skills or areas of interest.

Agent Title *

Create a title to help you remember your agent's criteria.

Figure 43



Home [Index]

New Page 3 [CONTESTS]

MMT Corporate Corner

MMT Product 2 [Top Innovations]

MMT Industry Hubs

Your Heading Goes Here [Semi Conductor]

Software

Manufacturing } [no samples]

New Page 2 [LICENSING HUBS]

MMT Submit [IDEA SUBMISSION]

MMT Kids Center

New Page 1 [Best Kids Ideas]

New Page 8 [Bike Riders' Club]

New Page 7 [Submit Idea]

New Page 6 [Idea Easel - no sample]

MMT Community Page

New Page 4 [LIFE SCIENCES]

New Page 5 [Social Problems]

MMT Inventors Page

MMT FT Inventors [no sample]

MMT Product 3 [Strategic Resources]

MMT Service 2 } no samples

MMT Service 3

MMT News Page

Oct. 12, 1999 [no sample]

MMT Press Release 2 } no samples

MMT Press Release 3

Innovation Database Search [db search]

User Login [register.html]

MMT Feedback Page [no sample]

MMT Table of Contents Page [toc - this page]

MMT Search Page [no sample]

[Home]

Send mail to someone@microsoft.com with questions or comments about this web site.

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Last modified: September 26, 1999

FIGURE 44

- ☐ Home
- ☐ \$\$\$ Contests
- ☐ Corporate Corner
- ☐ Submit an Idea
- ☐ Kids Corner
- ☐ Community
- ☐ Inventors Corner
- ☐ News
- ☐ Idea Database
- ☐ Login
- ☐ The Will, The Way, The Win.

Brainstorm.com

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Many believe that this is the dawn of the **Idea Age**, where human creativity in the form of intellectual capital exceeds tangible assets in value. Our principle goal is to **inspire and promote new ideas and new innovation**, within schools, within corporations, and around the world. Our site helps to foster an environment where creativity is recognized and achievement rewarded.

We are dedicated to promoting creativity, solving problems, and sharing knowledge. We believe in rewarding individuals who create novel innovations. We want to recognize achievements and inspire new thinking and **Web-Brainstorming**.

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Company Profile

Intellectual Property is fueling today's economic growth and prosperity. Within today's companies, innovation fuels high market caps, not tangible assets as in the past. The trends of higher worker mobility and widespread litigation, coupled with the increasing value of digital assets, have converged to create a tremendous opportunity for a new solution.

In today's job market, employees are more mobile than ever before. Mergers, acquisitions, and downsizing are just a few of the reasons. The result is a constantly changing workforce, and the constant creation, disclosure, and turnover of corporate intellectual property. And whereas it is perfectly legal for a highly skilled employee to leave and go to work with a competitor, taking with him or her his own skills and experience, it is not lawful to leave with proprietary company information.

Contact Information

Telephone

617-555-1212

FAX

617-555-1212

Postal address

Pittsburgh & Seattle

Electronic mail

General Information: someone@microsoft.com

Sales:

Customer Support:

Webmaster: someone@microsoft.com

Index.htm

FIGURE 45

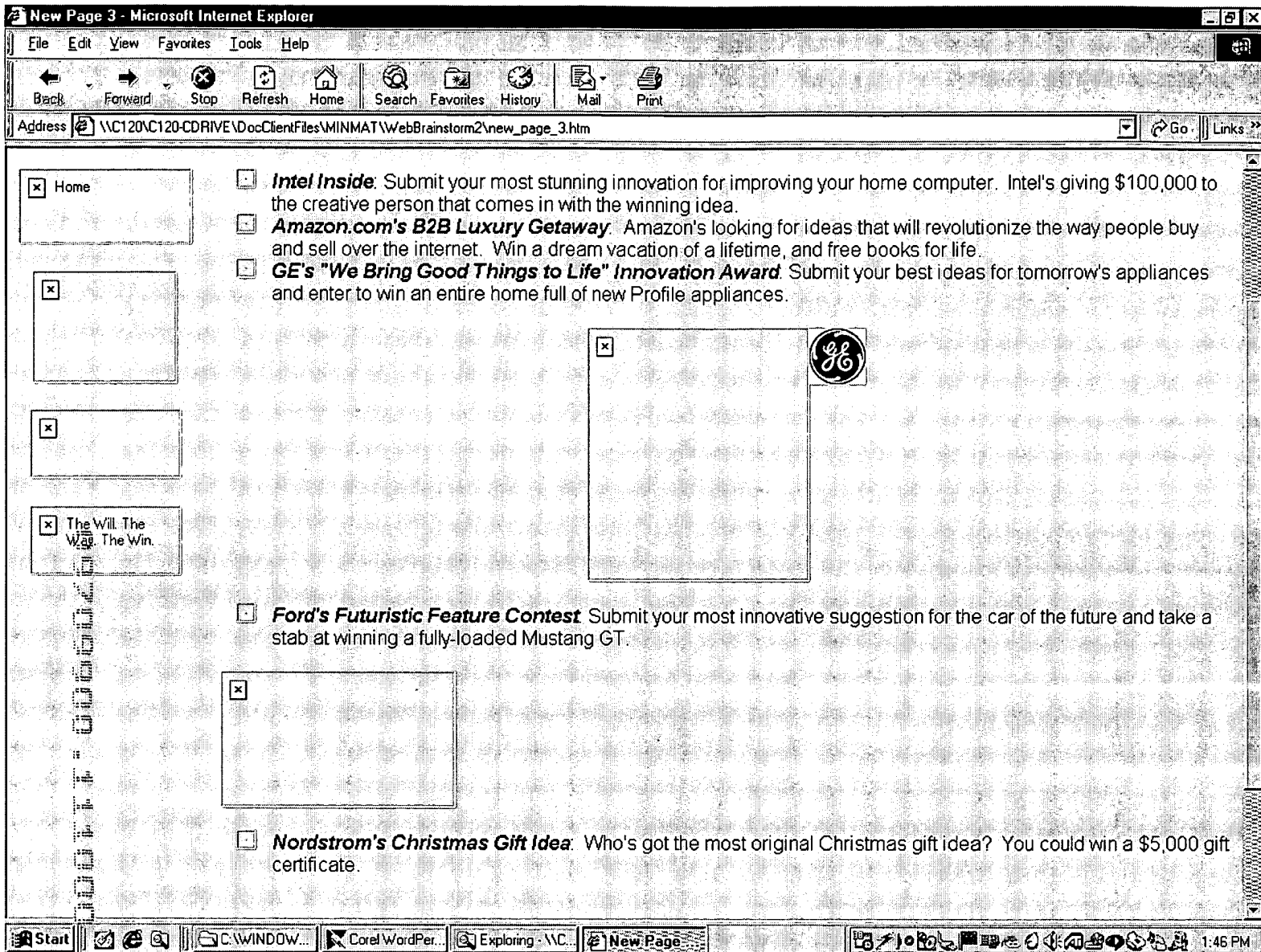


FIGURE 46

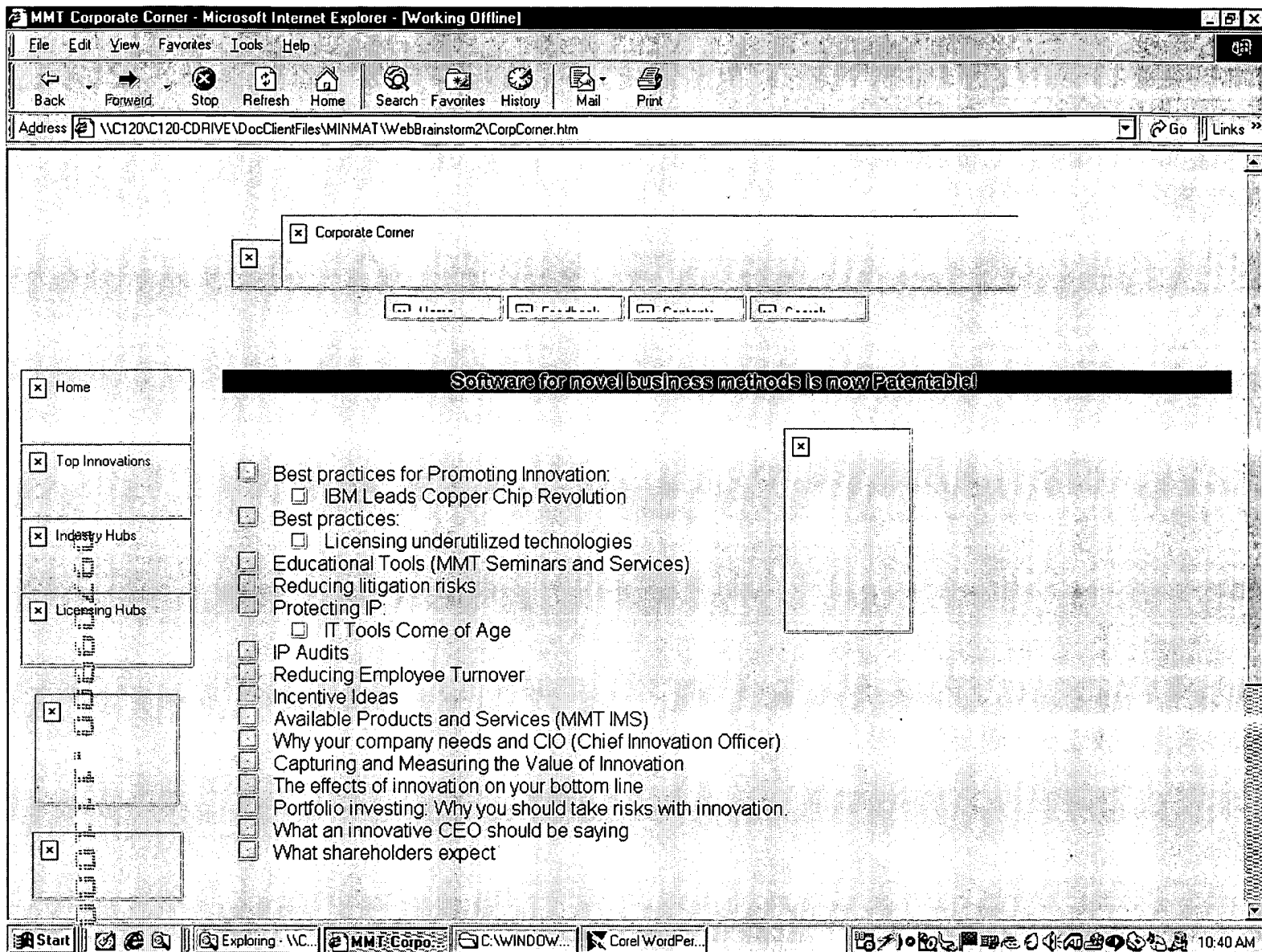


FIGURE 47

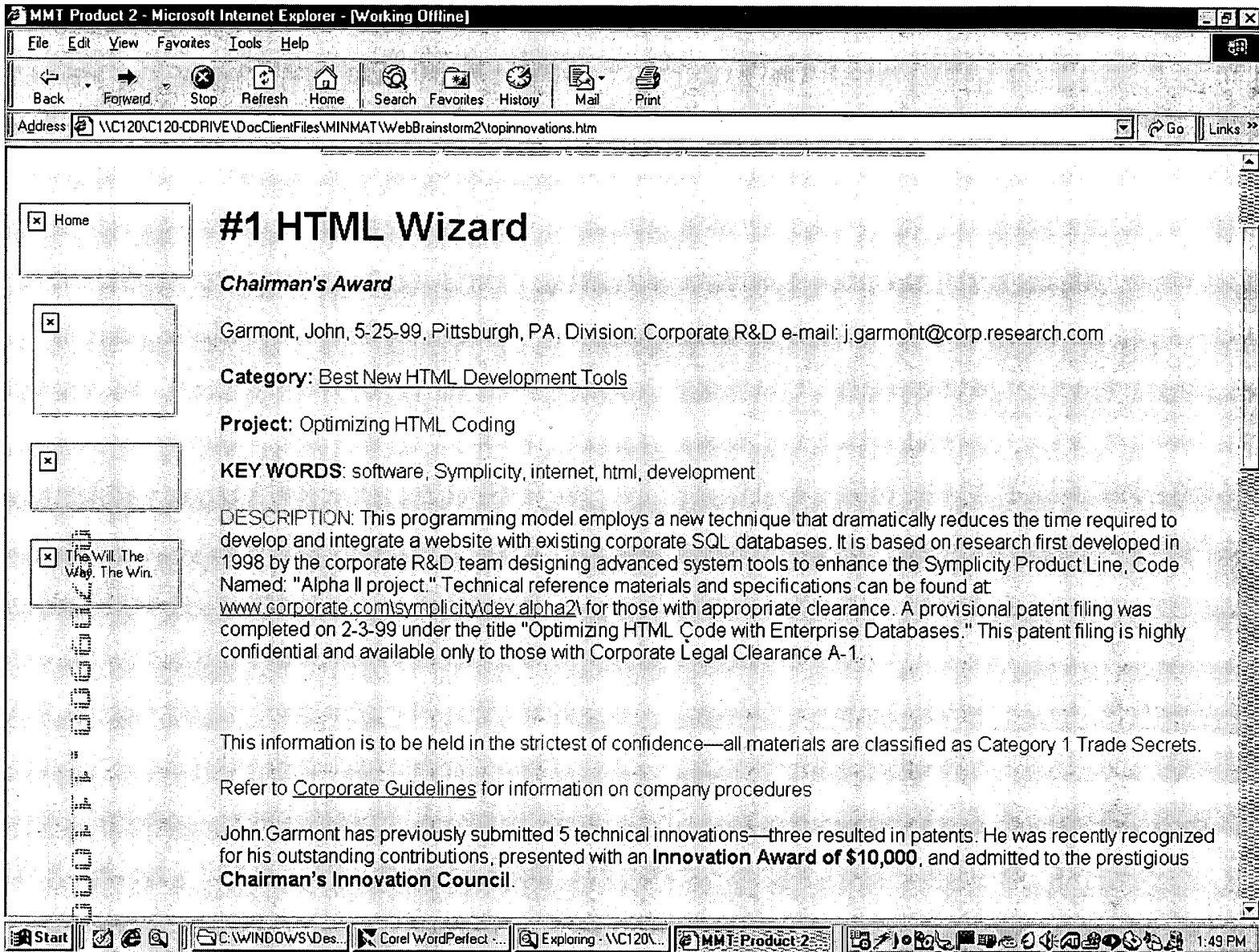


FIGURE 48a

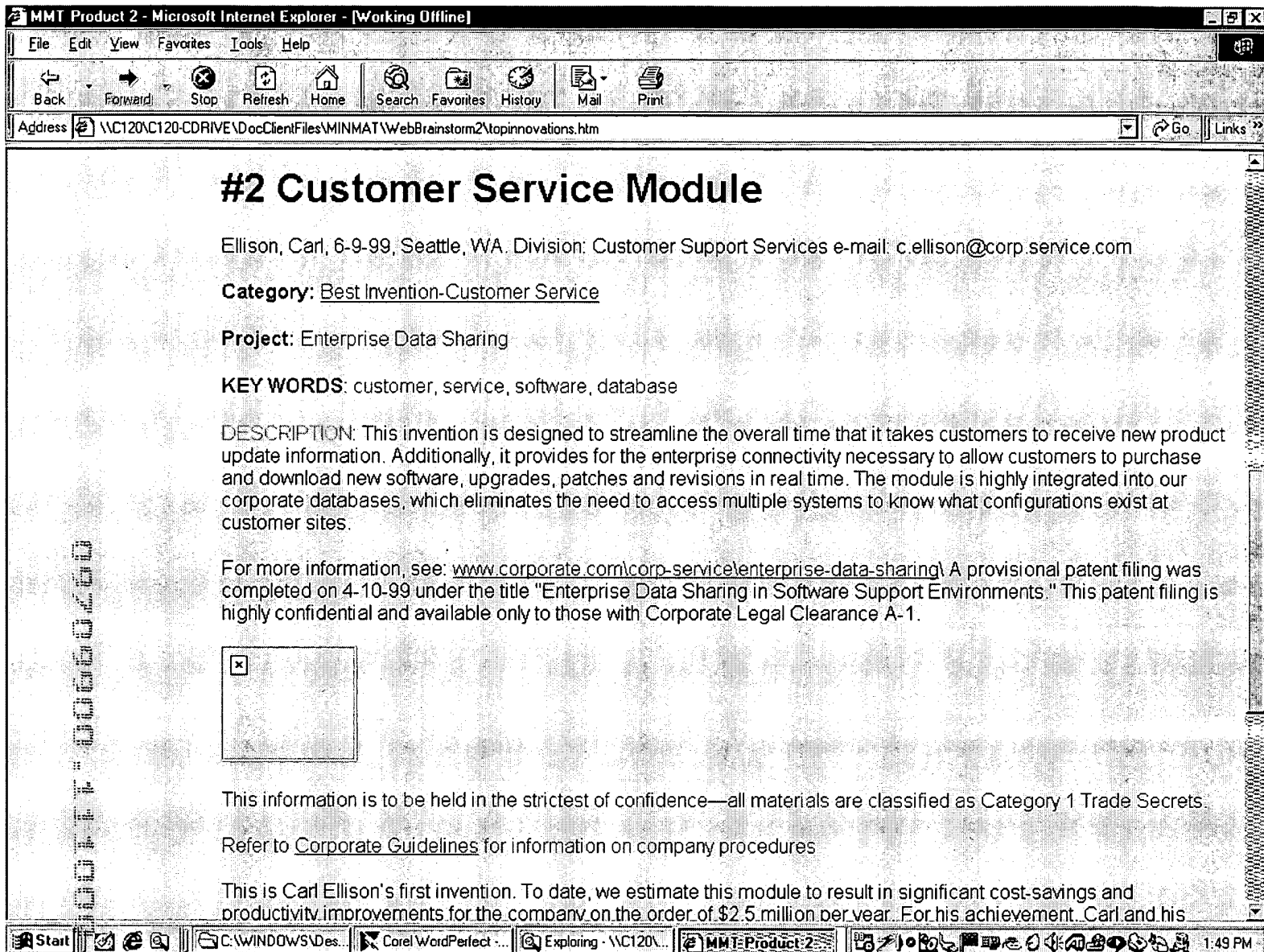


FIGURE 48b

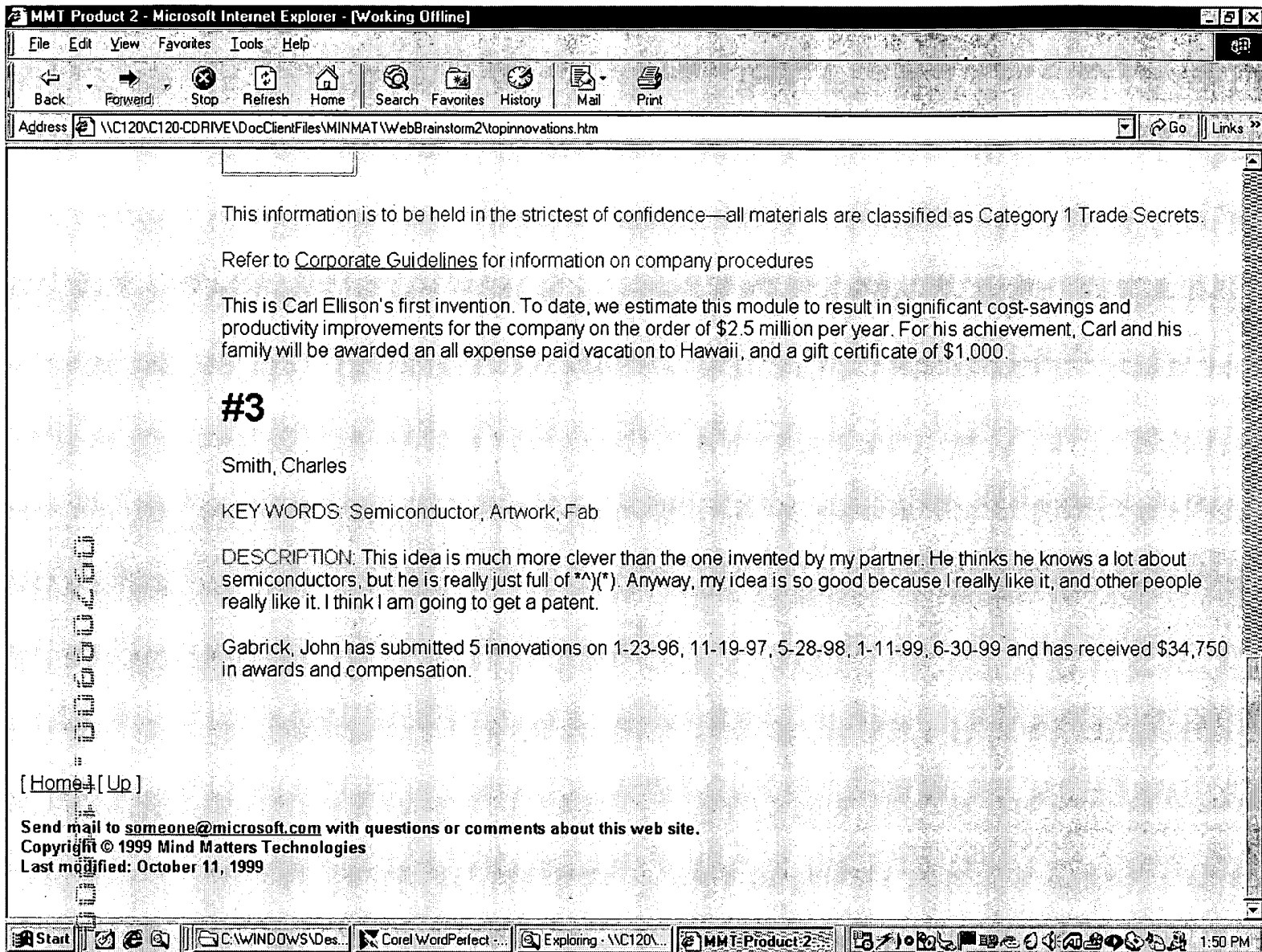


FIGURE 48c

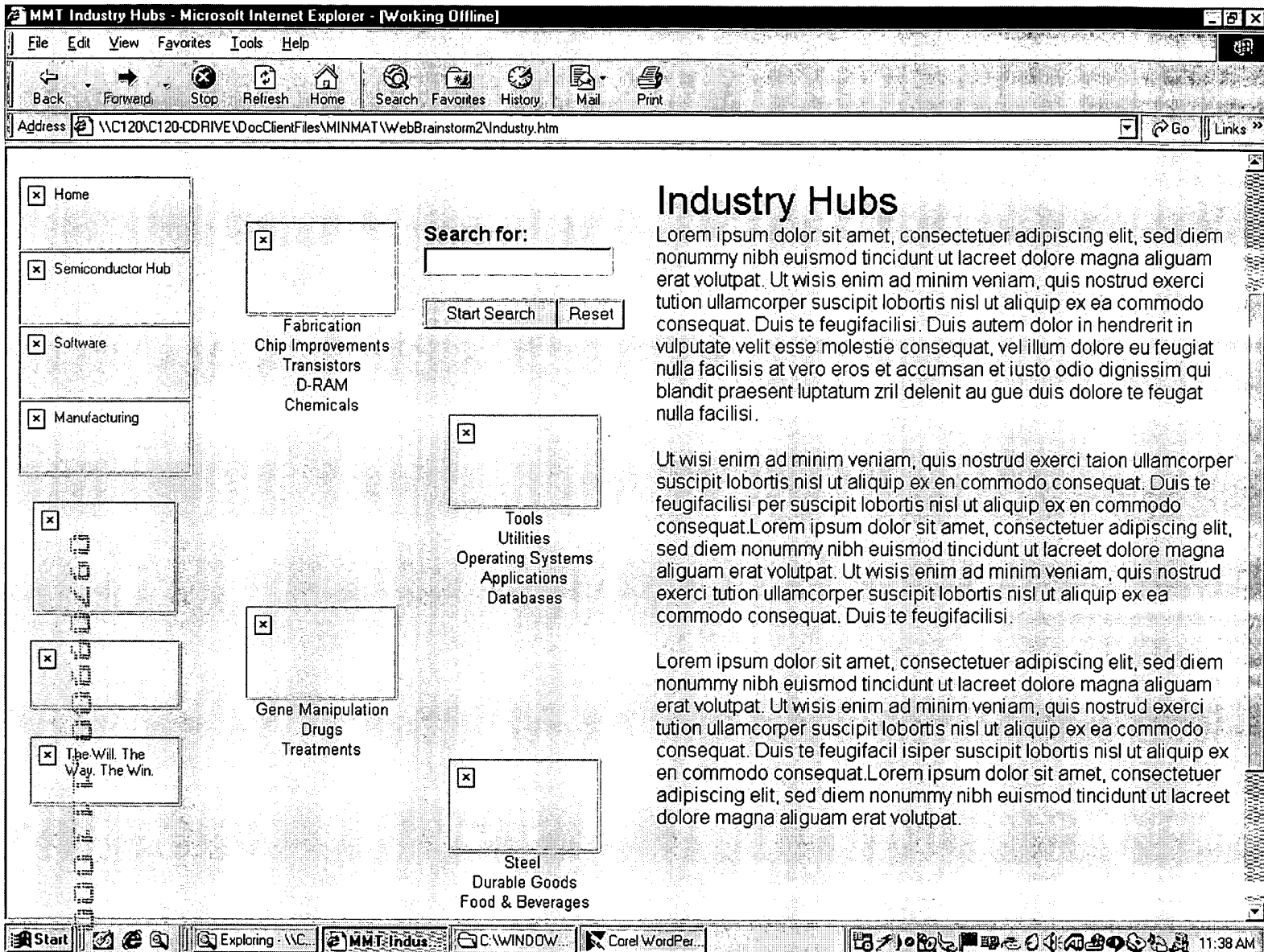


FIGURE 49

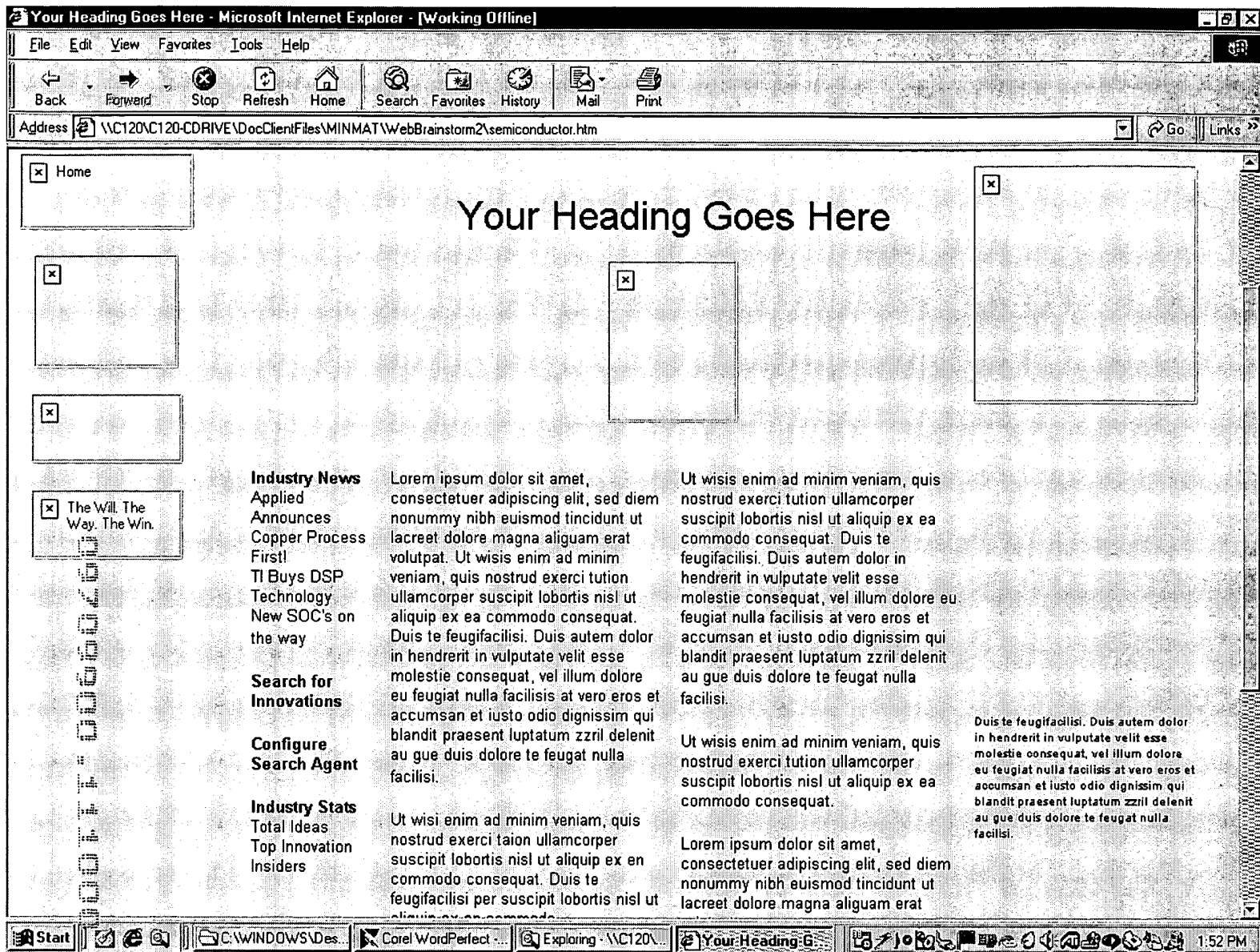


FIGURE 50

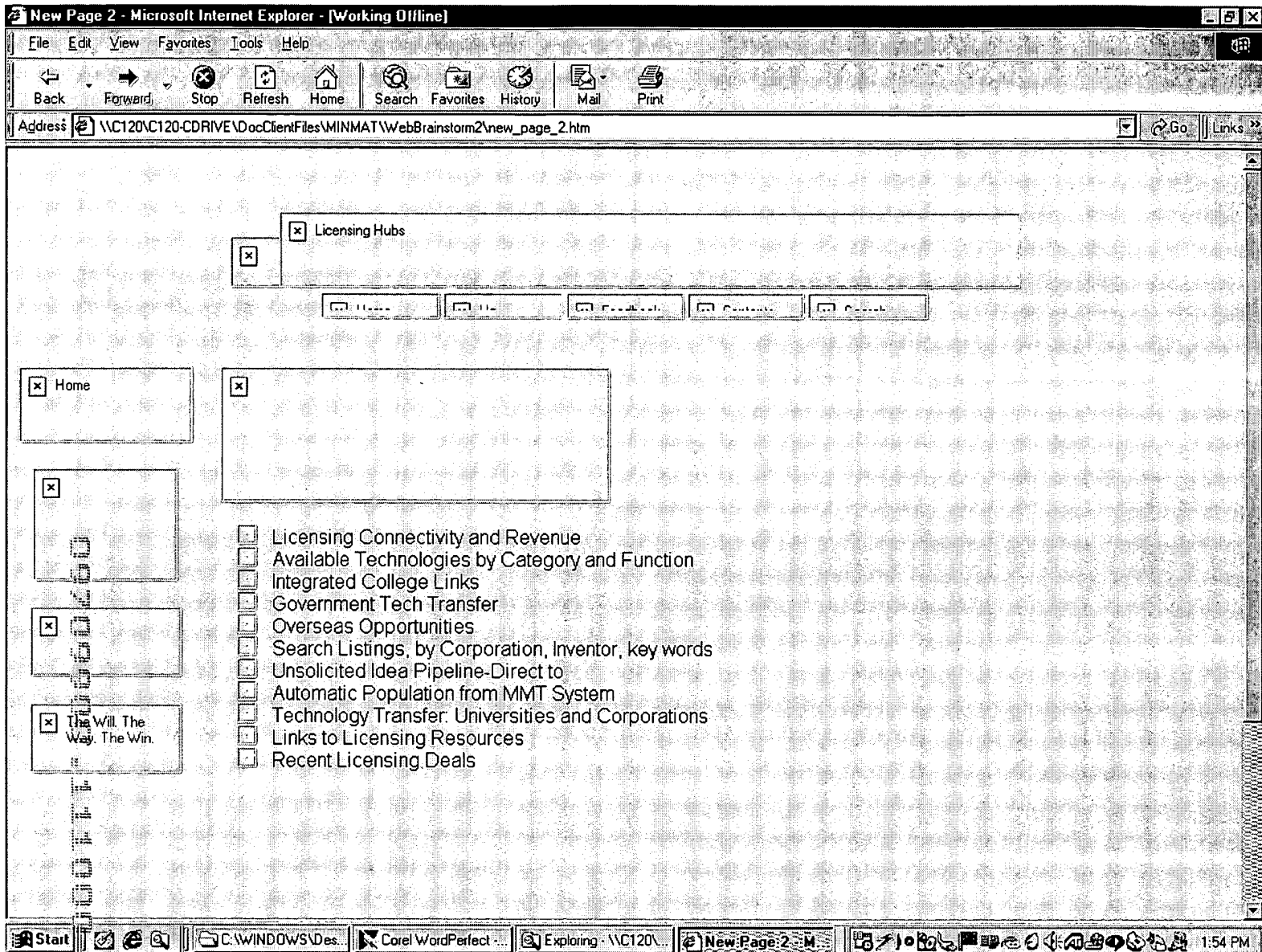


FIGURE 51

MMT Submit - Microsoft Internet Explorer - [Working Offline]

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print

Address [\C120\C120-CDRIVE\DocClientFiles\MINMAT\WebBrainstorm2\mmt_submit.htm](#) Go Links

Home

The Will. The Way. The Win.

Thank you for submitting a new innovation. Like lightning, we'll post your idea. After the information has been reviewed by our Innovation Committee, you will receive a certificate of registration for your submission by email. You should store this certificate away in a safe place for future use.

All submissions will be eligible for potential financial reward and immediately entered into the categories that you selected. If your idea is picked as a finalist for any of the Innovation Awards, you will be immediately notified by email. Thanks for participating, and remember to view the status of your submissions regularly.

Idea Submission Form

We cannot publish your innovation without this information. We guarantee that this information will not be sold or shown to any other parties other than to Mind Matters personnel for administrative purposes only.

☒ I already have a Patent for this Idea
☐ I have filed a Patent or Provision Patent for this Idea
☐ Have you ever shown this Idea to anyone before (tradeshaw, investors)

Name

Idea

Key Words

Other

Address

E-mail

Phone


Start | C:\WINDOWS\Des... | Corel WordPerfect ... | Exploring - \C120\... | MMT-Submit | 1:55 PM

FIGURE 52a

MMT Submit - Microsoft Internet Explorer - [Working Offline]

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print

Address  \\C120\CDRIVE\DocClientFiles\MINMAT\WebBrainstorm2\mmt_submit.htm Go Links

Submit Idea Reset Form

1) Name:

2) Location:

3) E-Mail:

4) Innovation Type

☐ New Idea

☐ Process Improvement

☐ Competitive Tactic

☐ Patent

☐ Other (Please specify):

5) Key Words Used to BRIEFLY Describe Innovation

6) Description of Innovation

Thank you for submitting this idea.


Start  C:\WINDOWS\Des... Corel WordPerfect ... Exploring - \\C120\... MMT Submit 1:56 PM

FIGURE 52b

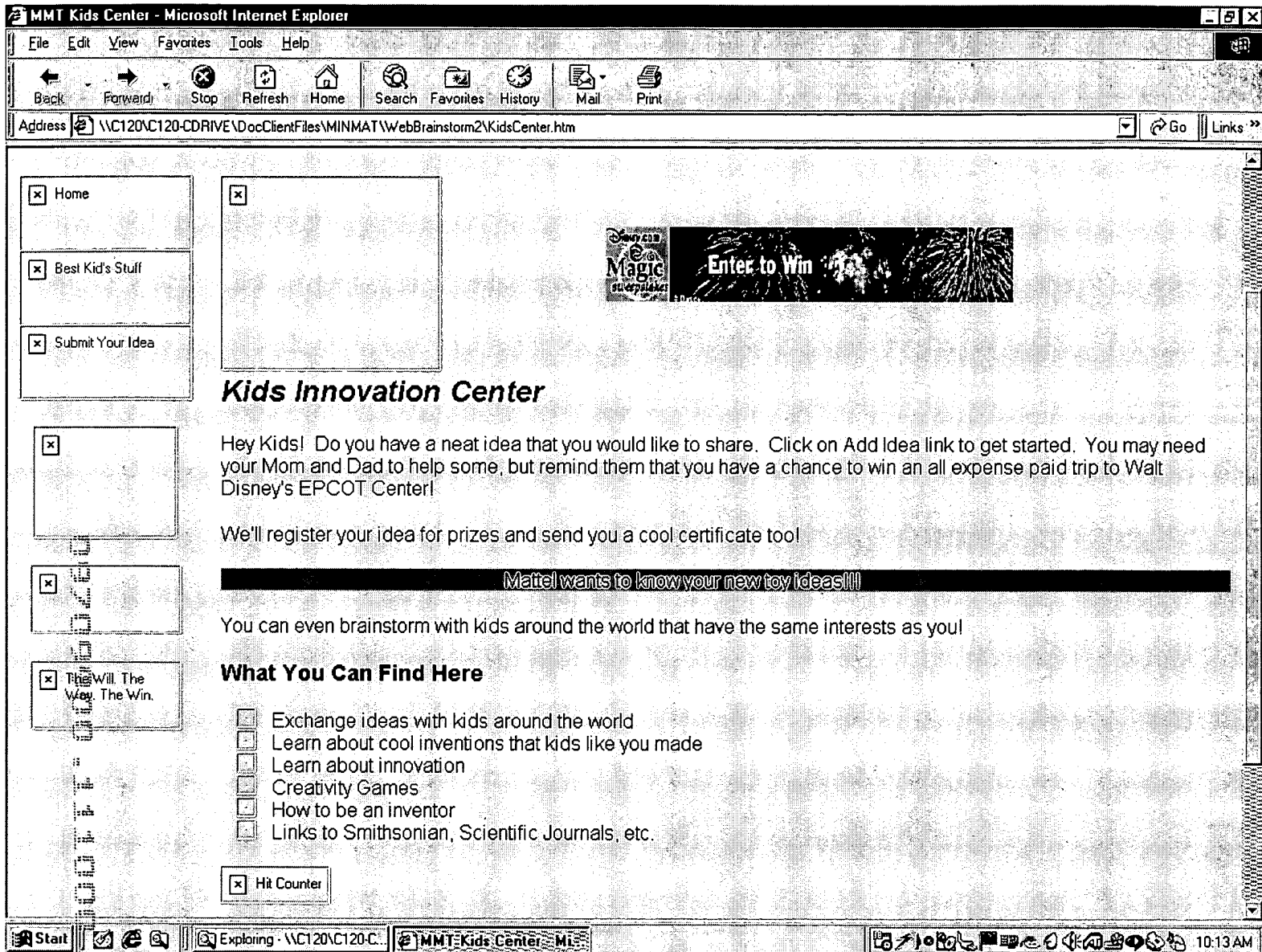


FIGURE 53

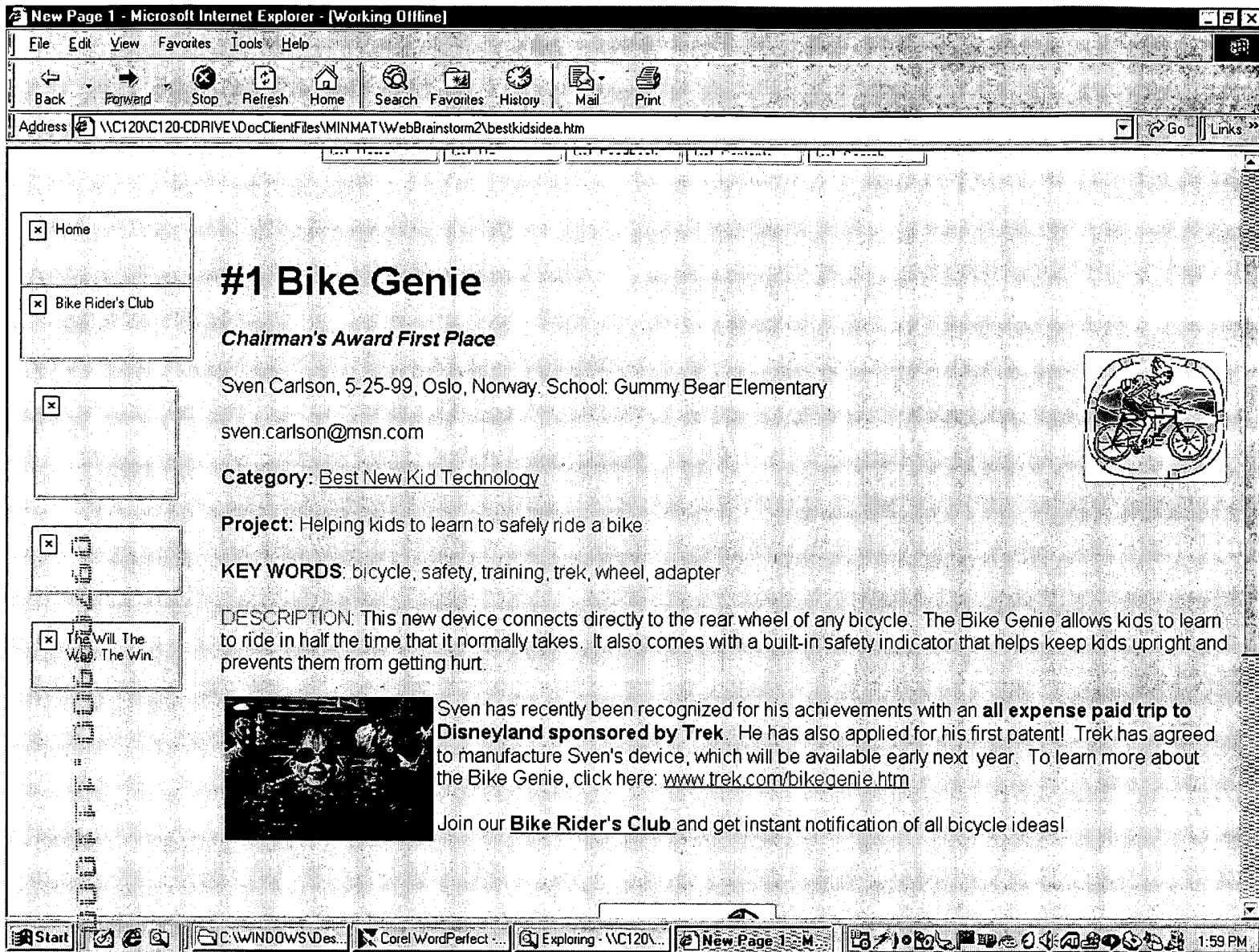


FIGURE 54a

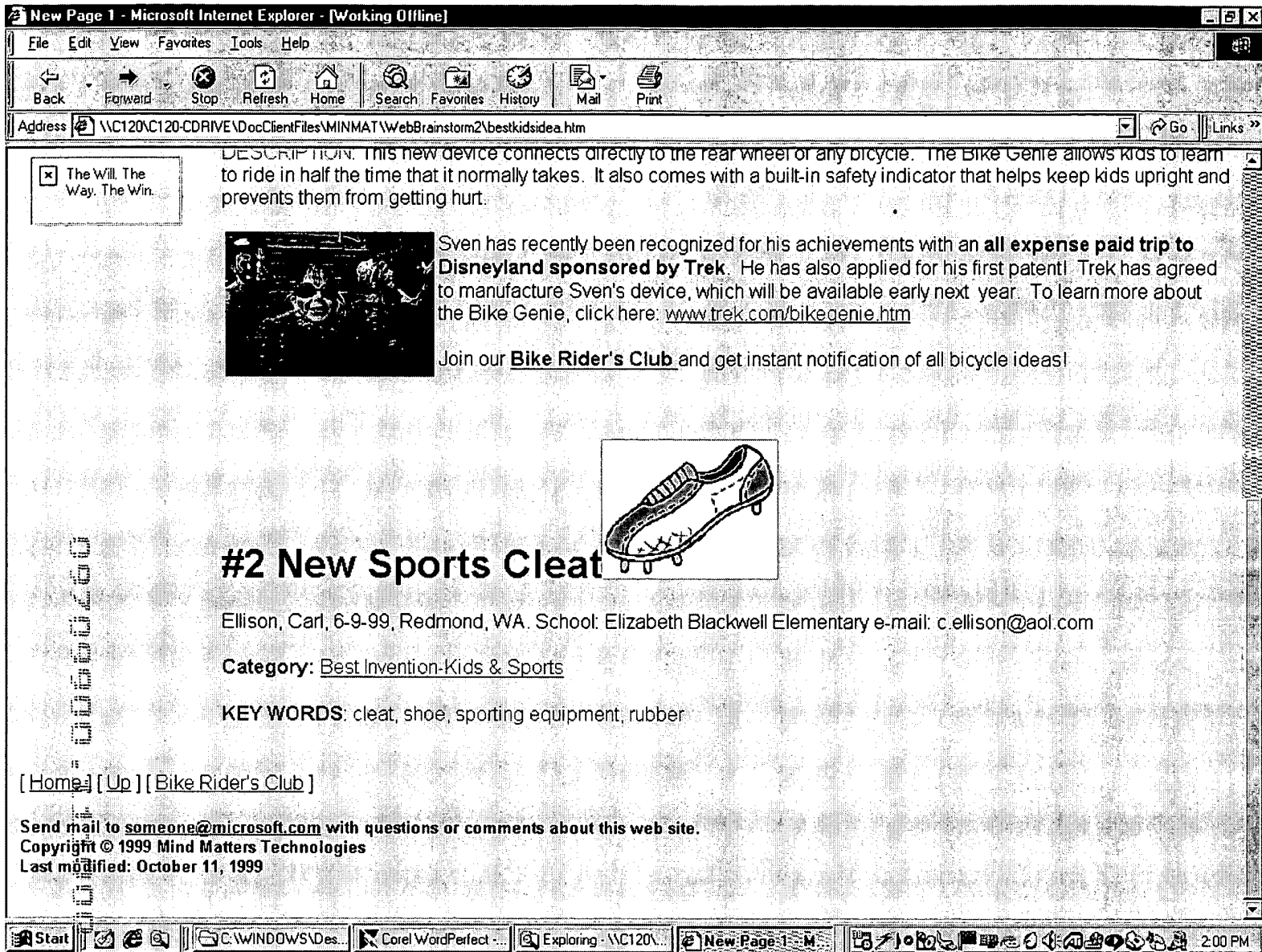


FIGURE 54b.

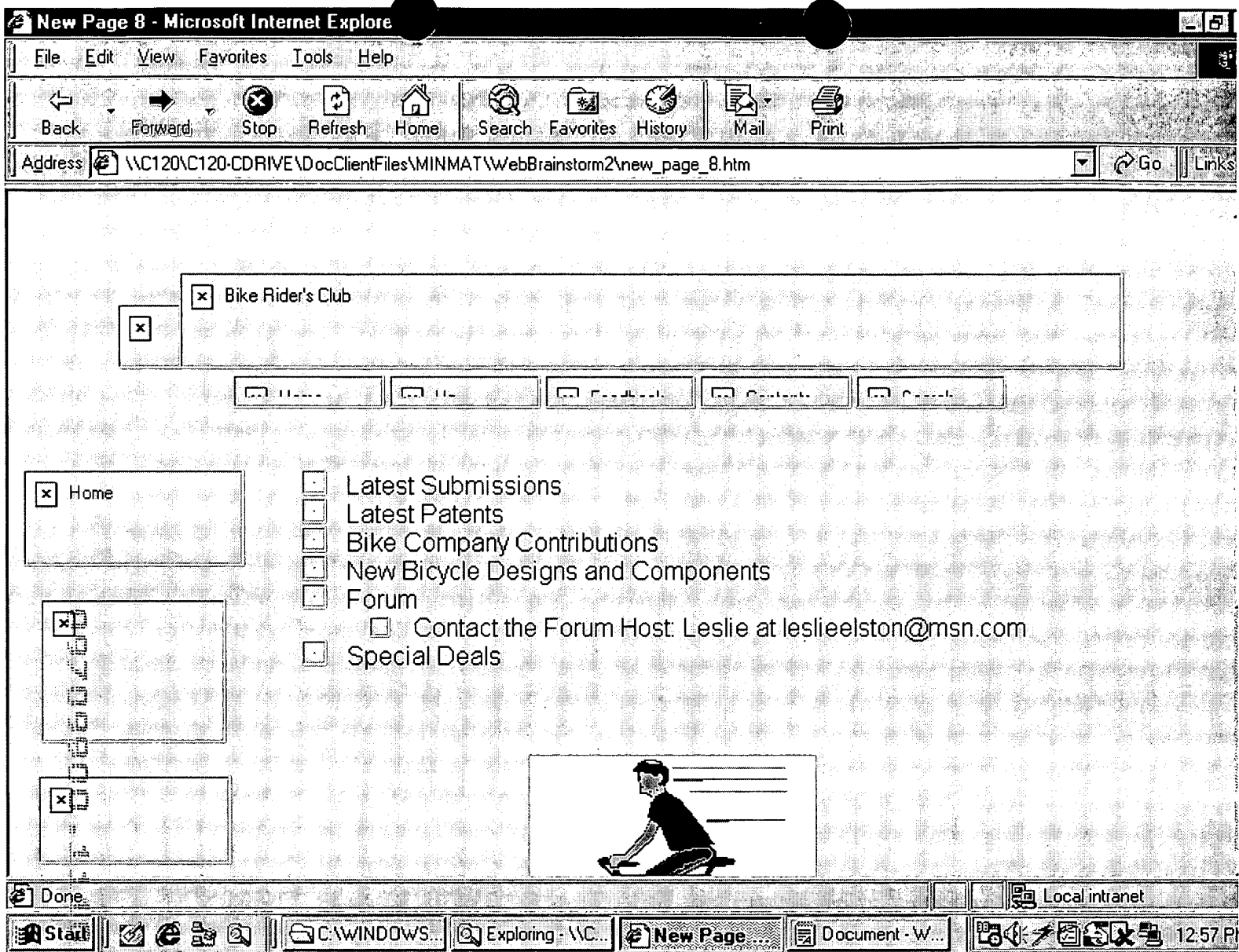


FIGURE 55

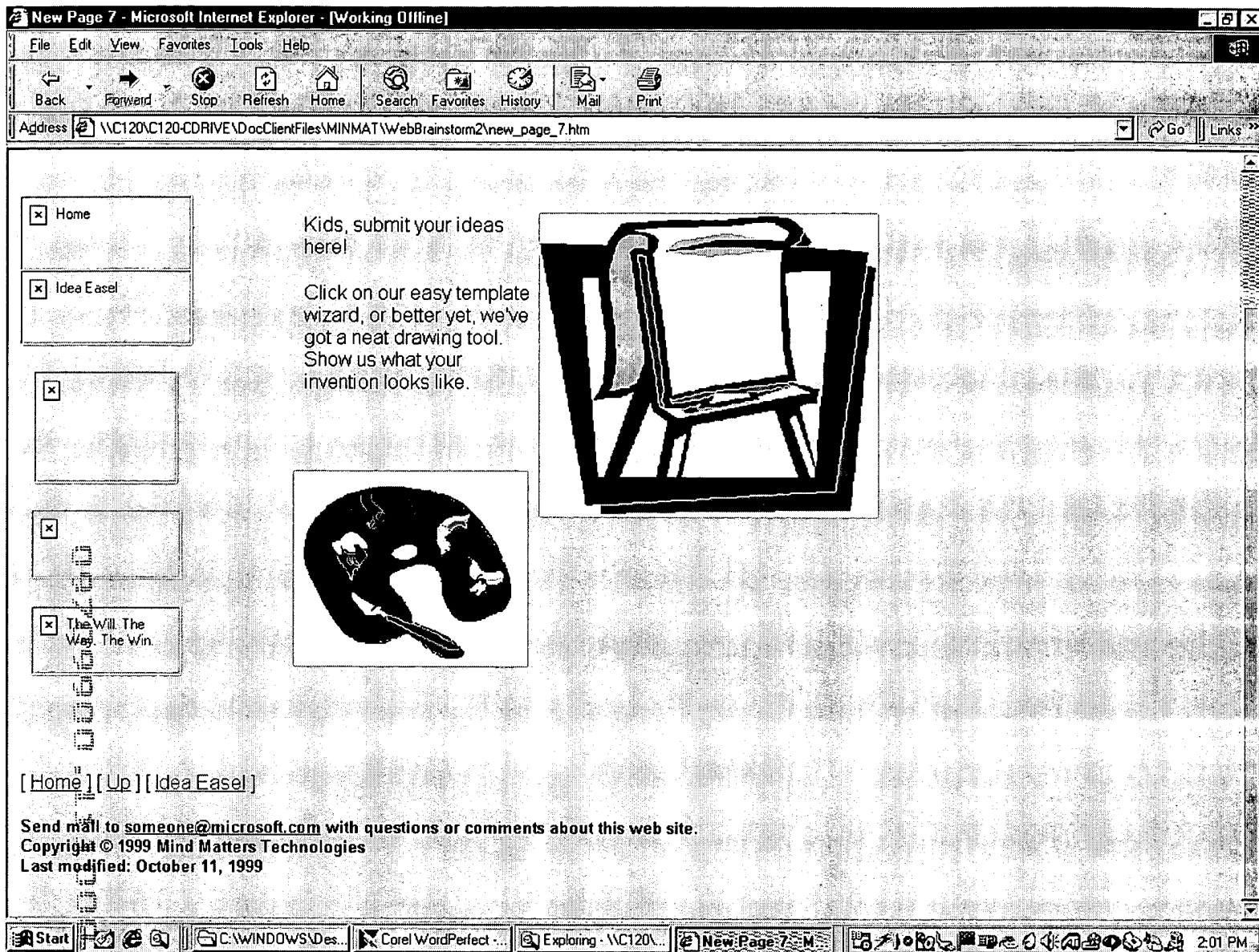


FIGURE 56

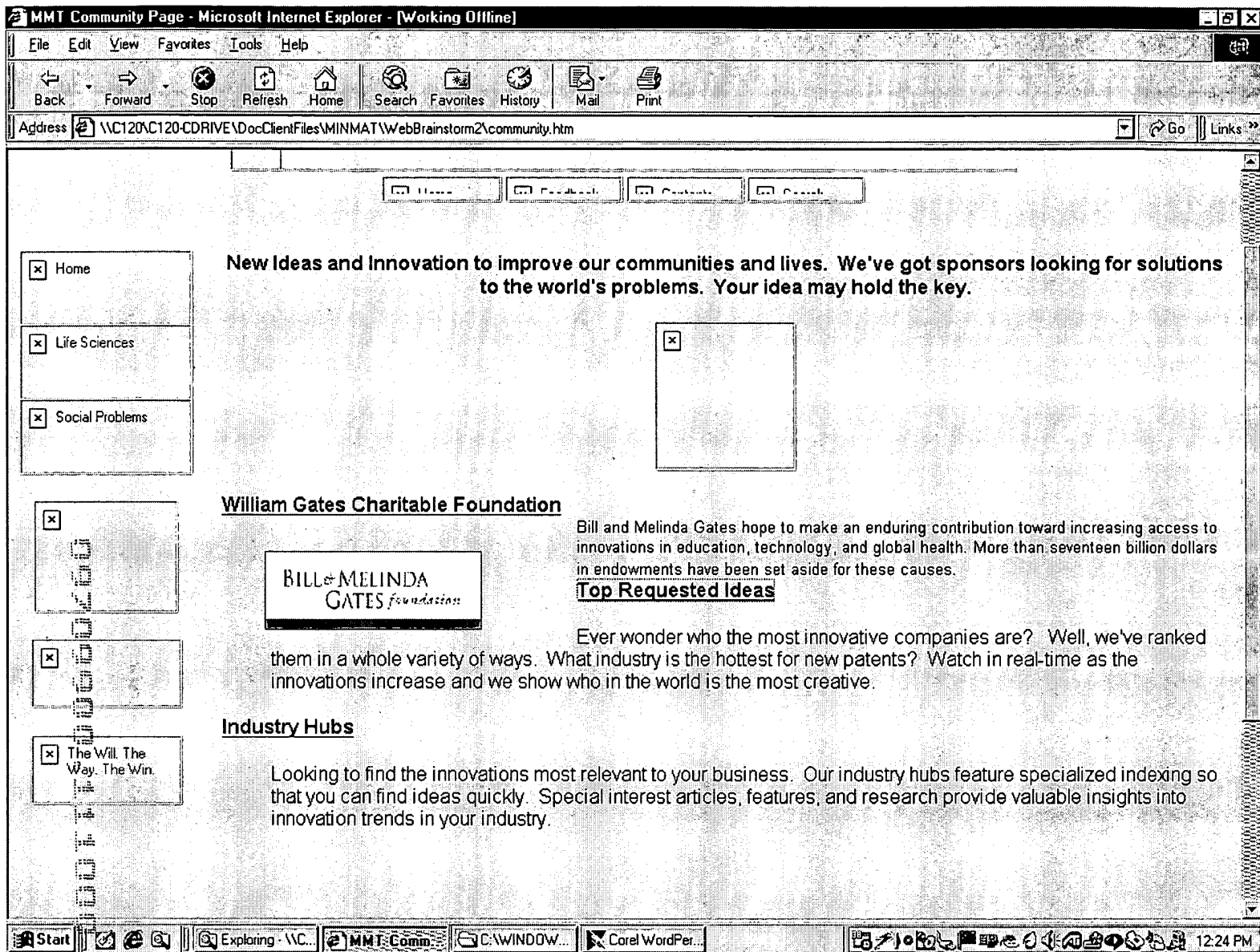


FIGURE 57

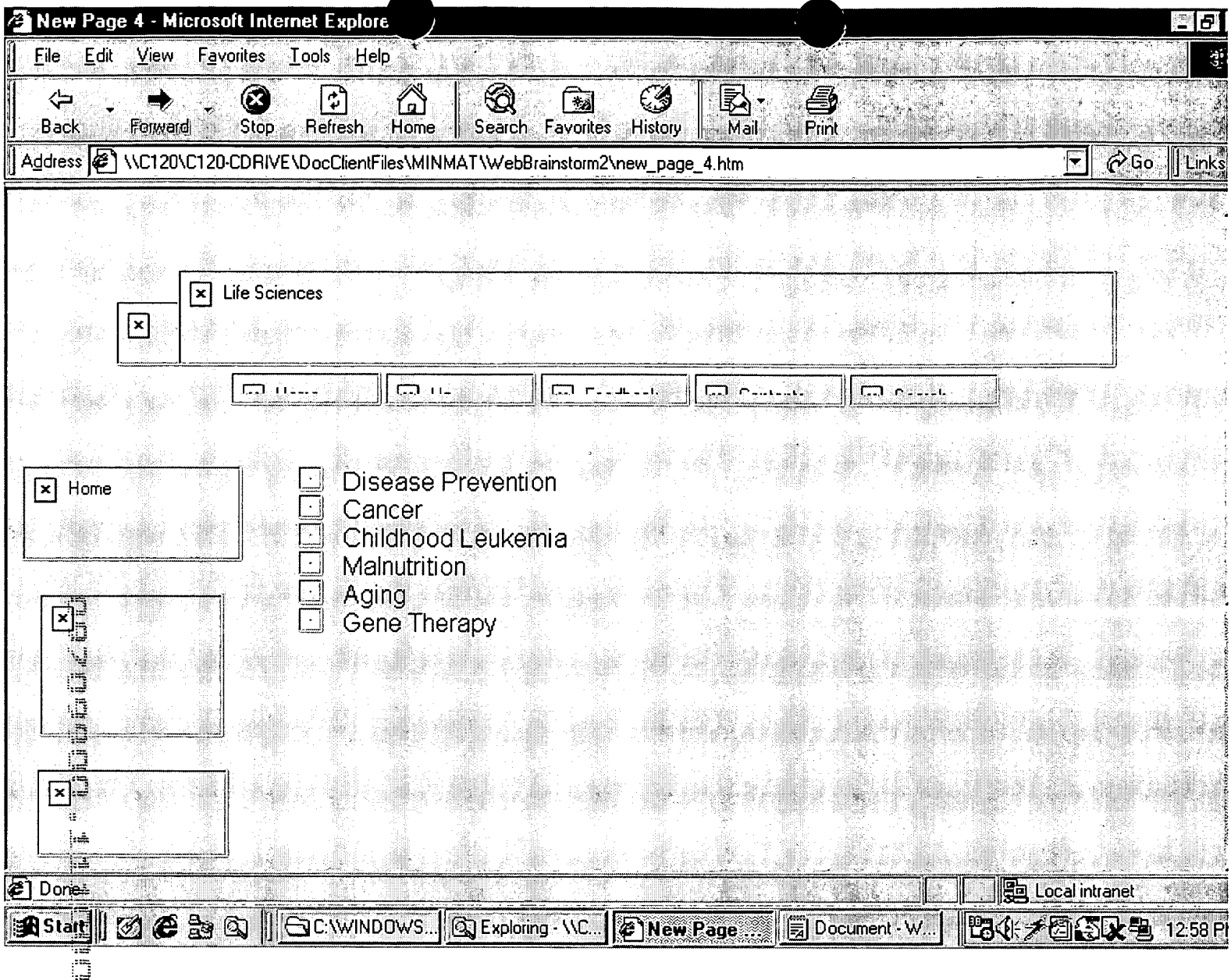


FIGURE 58

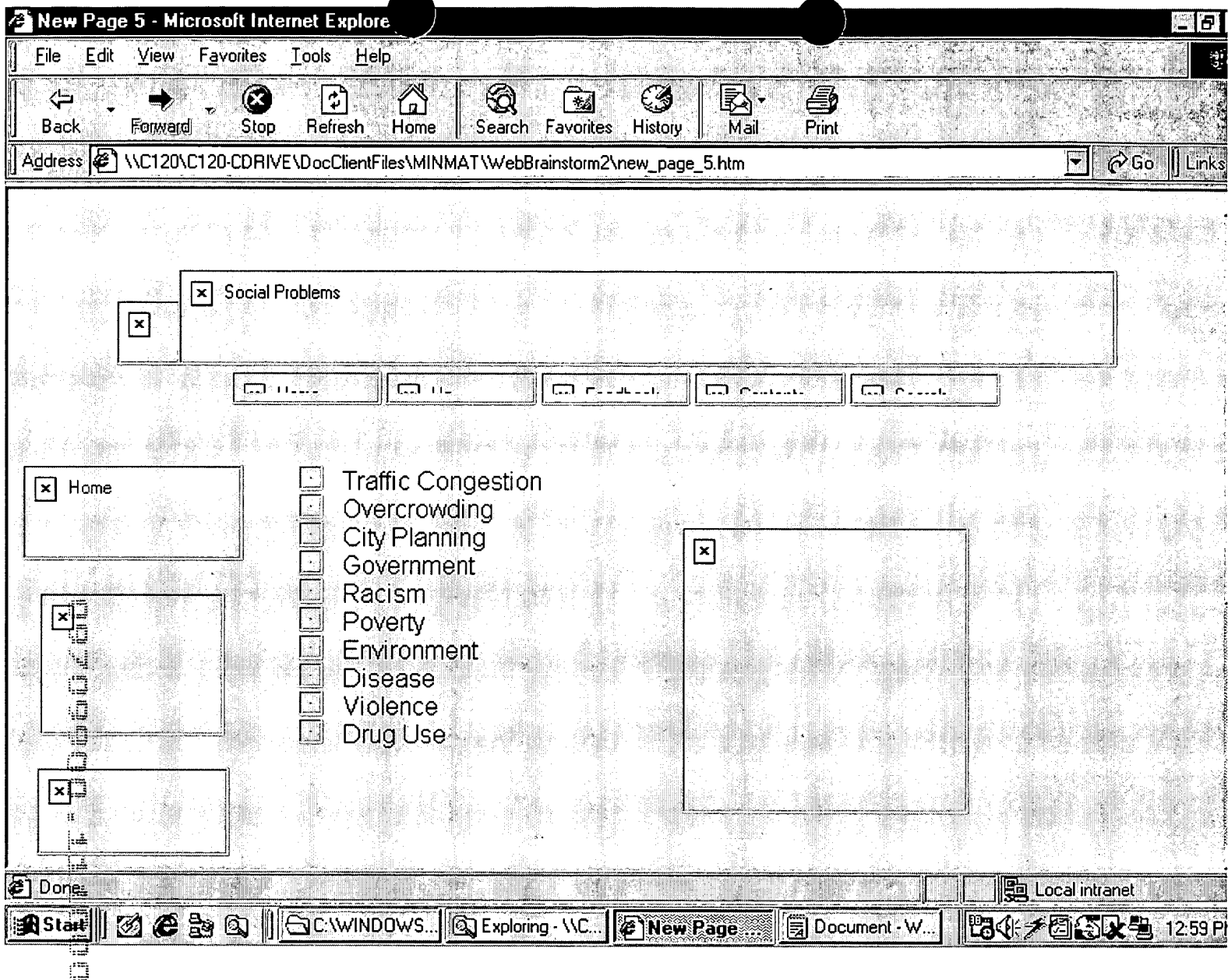


FIGURE 59

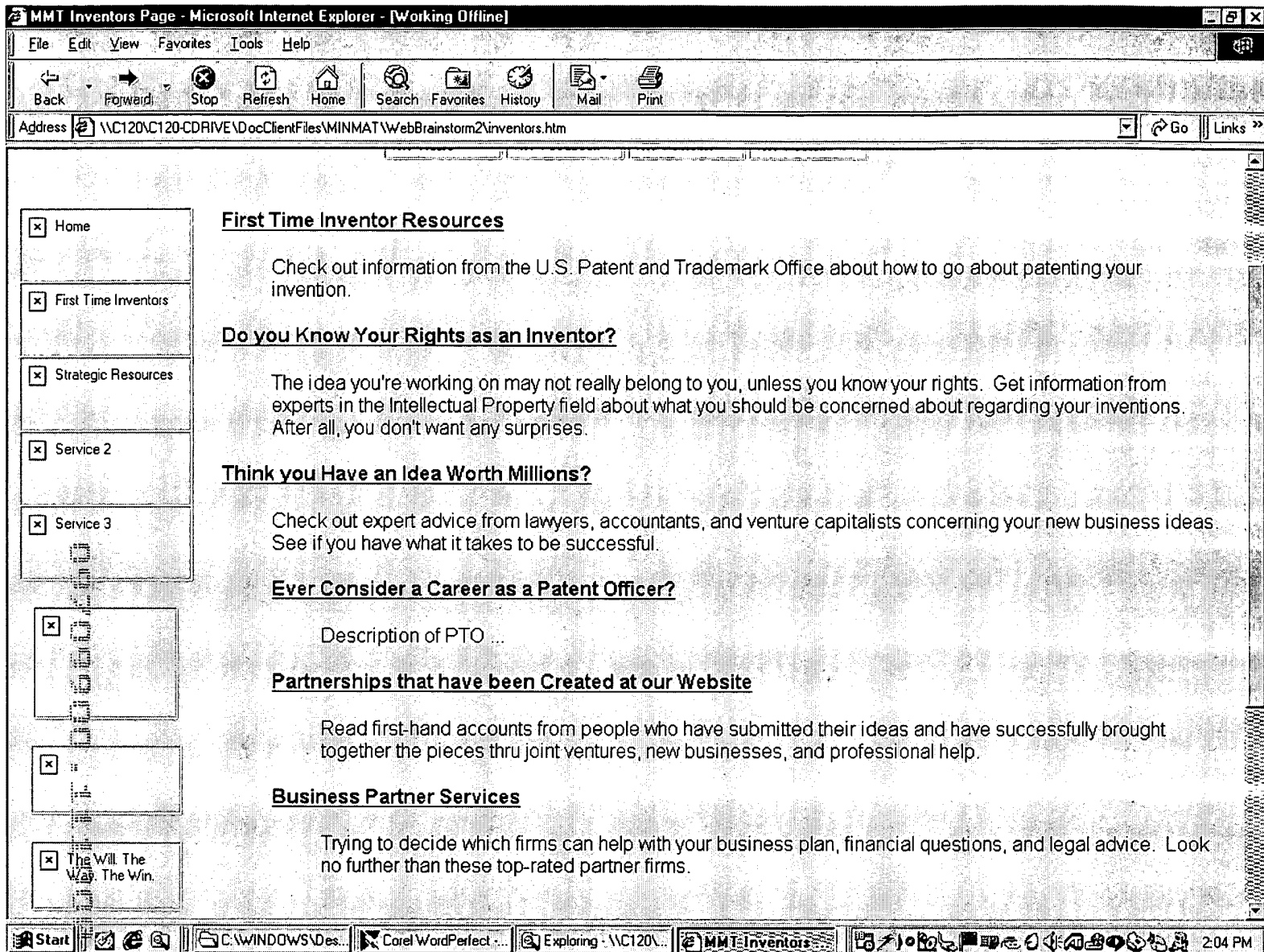


FIGURE 60

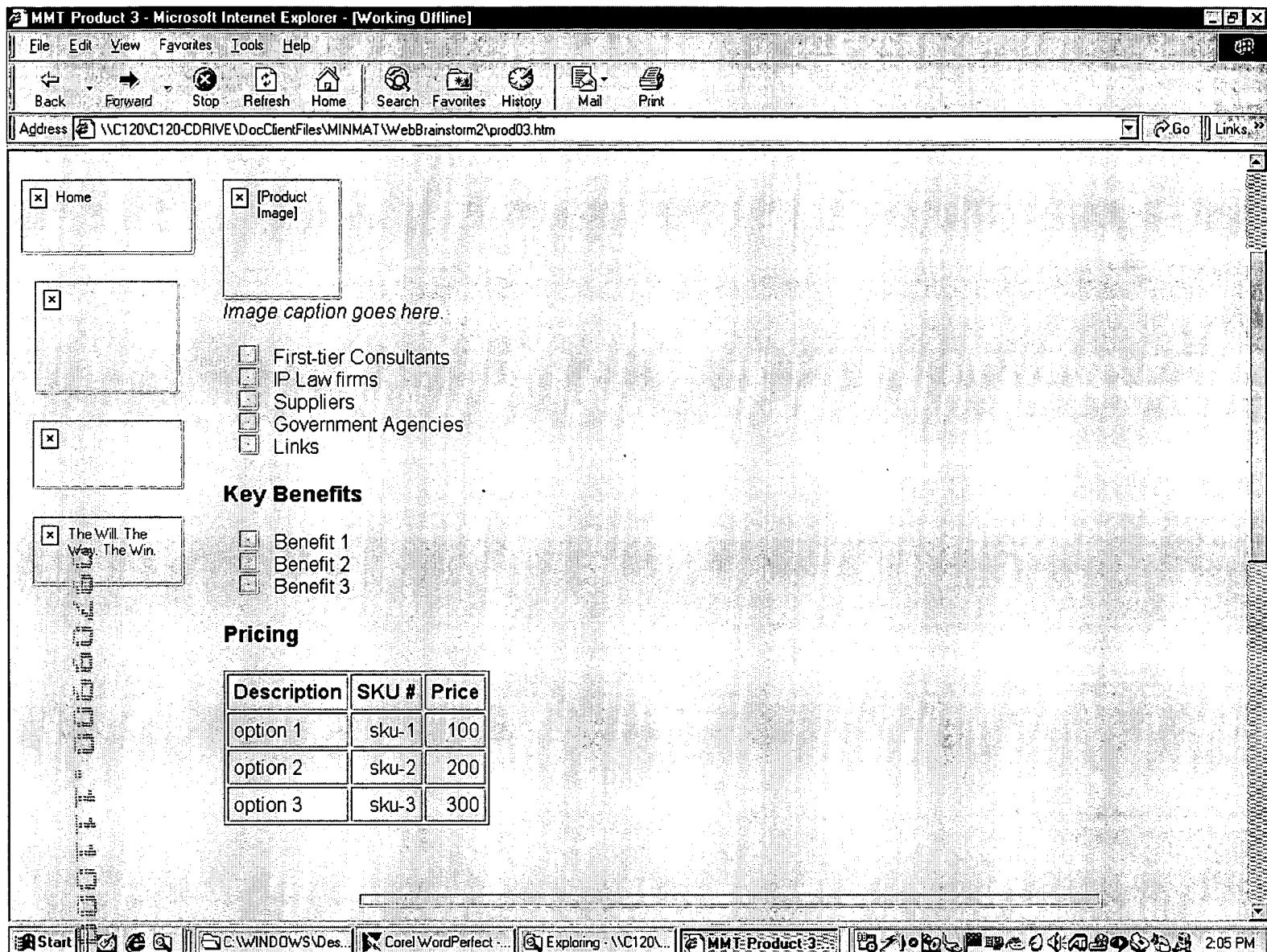


FIGURE 61

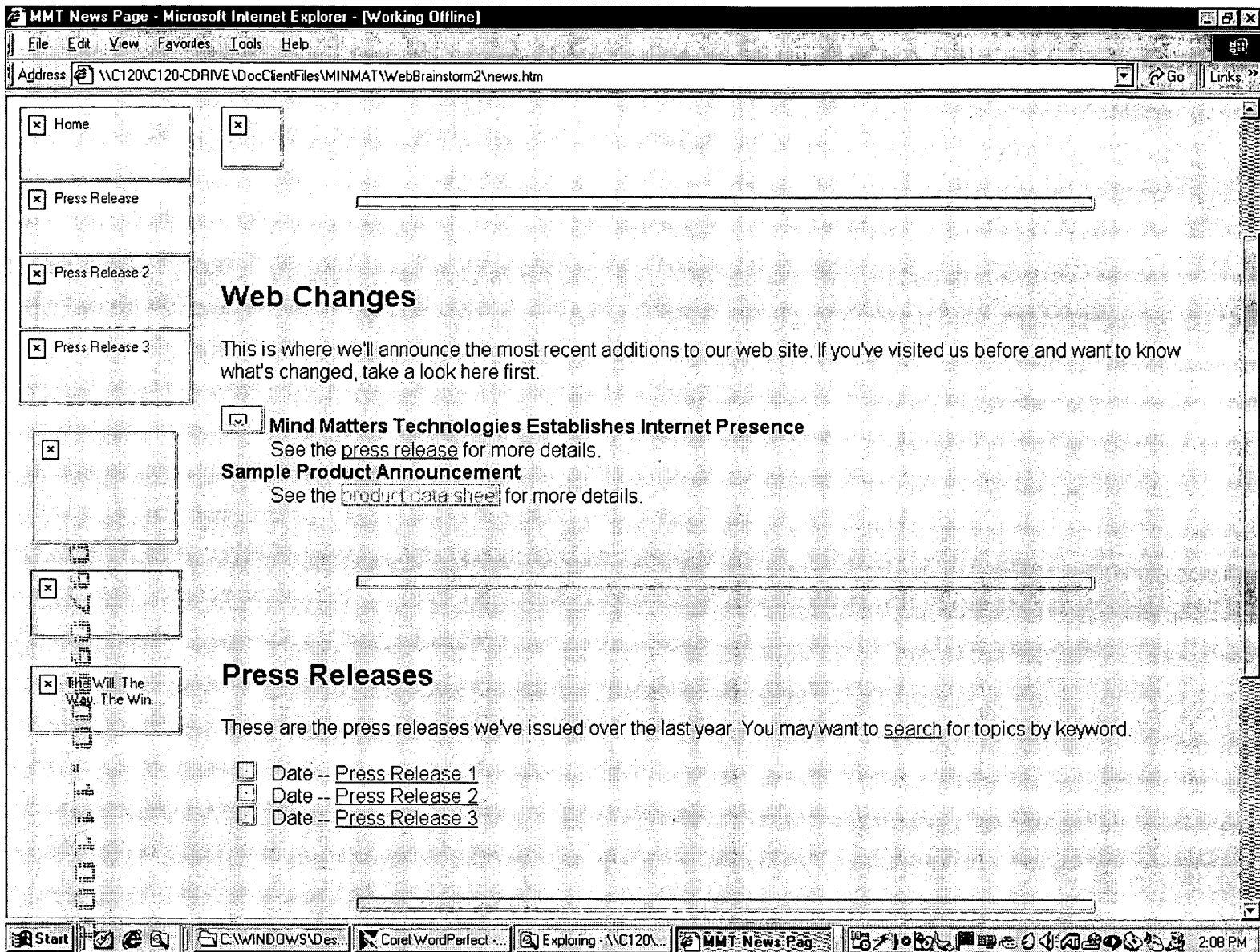


FIGURE 62a

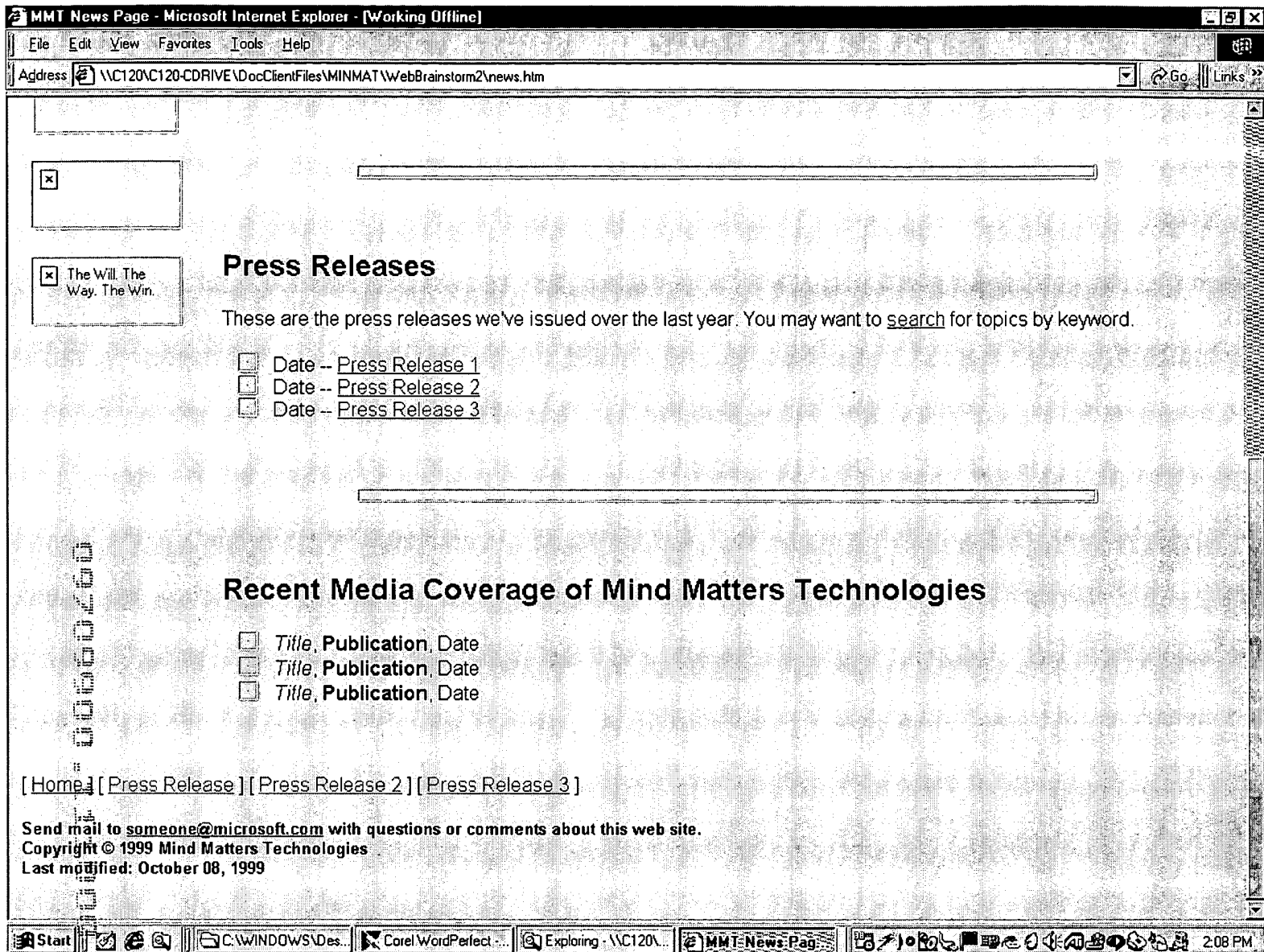


FIGURE 62b

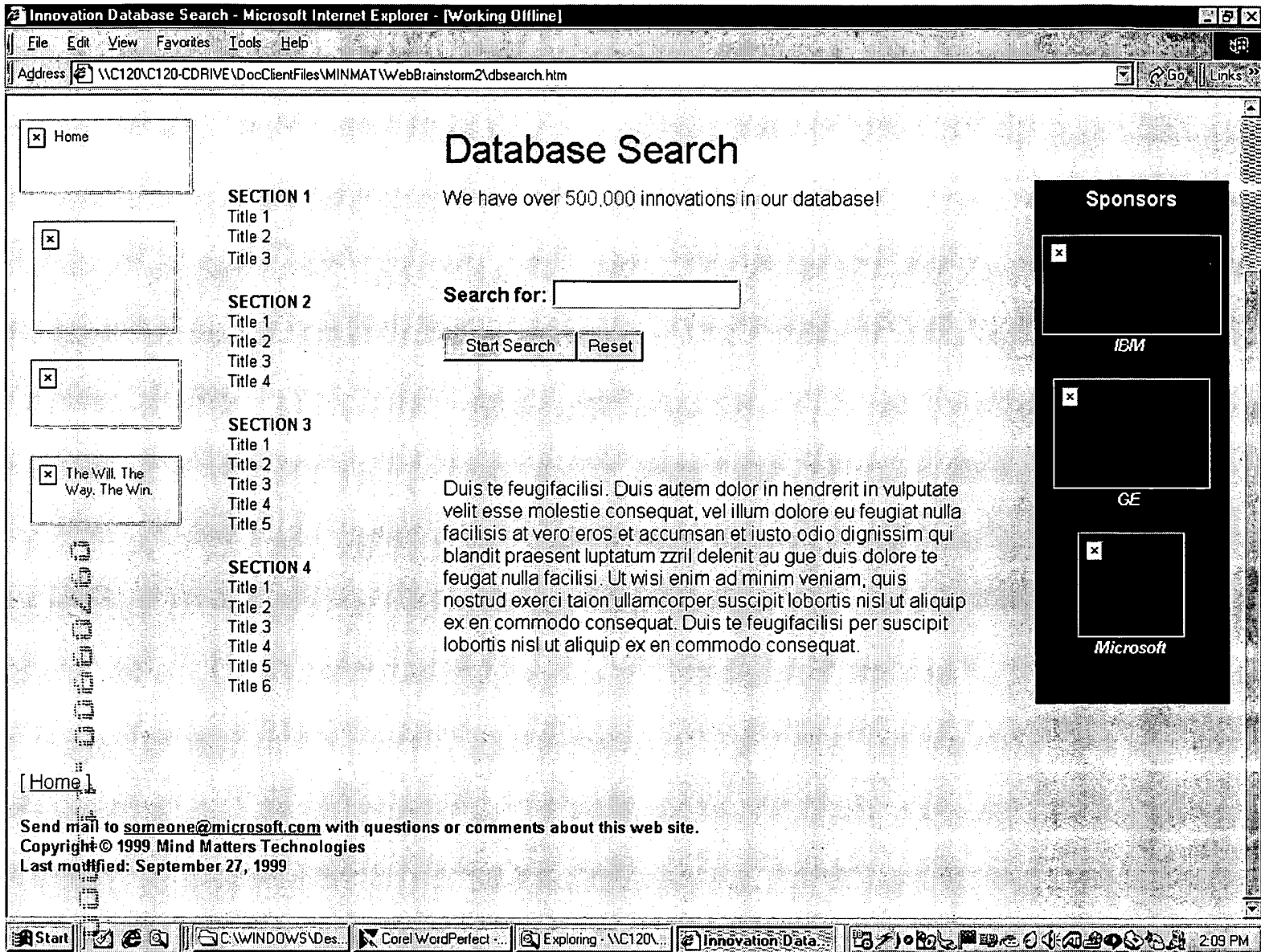


FIGURE 63

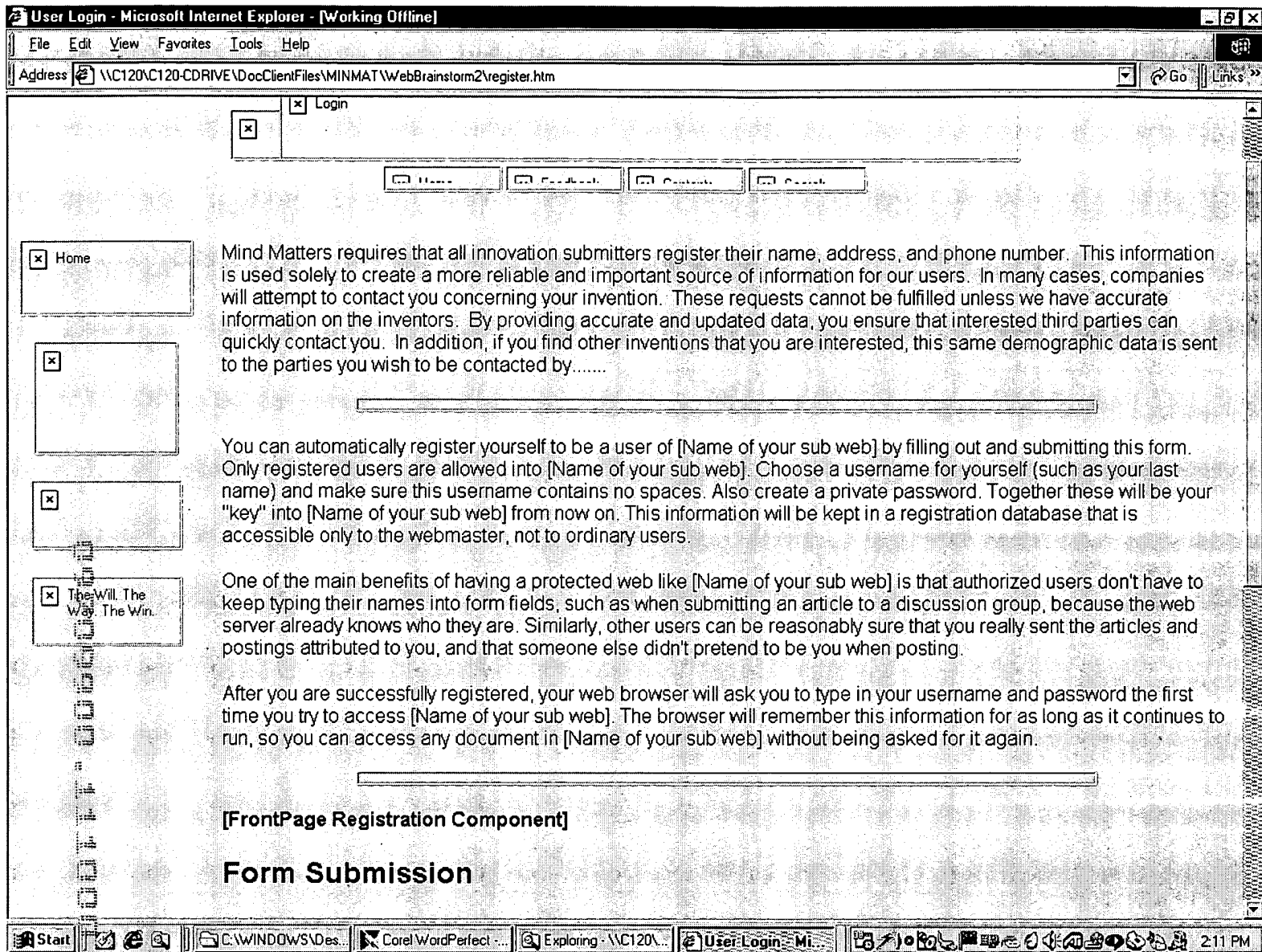


FIGURE 64

USER on HOME PAGE

Offered links to paid sponsors

Offered ^{INNOVATION} contests with prizes

↳ many of which are sponsored

Offered access to a Corporate Corner

INFO

INFOMERCIALS

Access to

Info on top (prizewinning)
innovations registered on site

Industry Hubs, offering links
to range of industry segments

each offering
access to industry
specific news,
and statistics, and
a search of industry
related entries in
site's database
of innovations

Computer Hardware,
semiconductors

Software

Bio Tech

Manufacturing

Licensing Hubs, access to
licensing related data, search,
and exploitation opportunities

Invited to submit (register) an idea: for evaluation/prize
opportunity; for database search by other
users; for optional release off-site, through
out Internet

FIGURE 65

offered access to an Inventors' Corner

Optional marketing of First Time Inventors' service package and/or direction to PTO site

Info/Advice from technology exploitation professionals

Access to strategic and business development resources; success stories for this site

offered News: Site updates, press releases, site coverage by media, product announcements, links to technology news

Site database search

FIGURE 65 [cont'd]